



Stainless Steel Bench Scales	Checkweighers	General Purpose Painted Steel
2200, 7000XL, 8000XL, PFS Portable Floor Scale	2200CW, 4300, 7400	MVP, DMS, DS100



Portion Control	Printers	Indicators
PC400, PC500	PRT0350, PRT0351	DS100, 2200, 2200CW, 4300, 7000XL, 7400, 8000XL



Bases	Software	Baggage Scales
DXL, DMS, DSS	Production Sentry, QC Weigh, Excelerator	DBS, DCS



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 Batavia, IL 60510  
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 630-879-1200  
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[www.doranscales.com](http://www.doranscales.com)

Formula Control	Medical Scales
FC6300	DS4100, DS4200, DS6100, DS7100, DS9100

# Doran Washdown Scale Systems

## Features and Benefits



### Guardian Harsh Environment Protection System

Engineered to thrive in the harshest of working environments, Doran's Excel Series Scales and indicators features the Guardian Harsh Environment Protection System. All the components of this system act as your defense against the damaging effects of shock, water, abuse, and other environmental factors that can cause costly repairs and production downtime.



### Guardian Keypad

Shielding the display elements and the scale electronics from water and puncture damage, the Guardian touch panel is four times thicker than the competition. The responsive keypad is bonded to a metal plate and is secured to the inside of the case with adhesive and bolts.



### Quad Spring Base

1000% overload protection! Load cell damage caused by shock and overload has been eliminated with the unique "Quad Spring" base design. Shock overload is transferred to the frame of the scale base, protecting the sensitive load cell.



### Innovative Gasket Design

Doran's gasket design seals out any moisture, even from a direct hit with a high-pressure hose. Combining a rigid metal reinforcement with a highly flexible Silicone material results in a gasket that has remarkable sealing characteristics without deforming.



### Superior Washdown

Heavy-duty 304 stainless steel construction and IP69K classification for washdown protection. The case features a unique cover to back plate, mating system that prevents over tightening of the bolts or deforming of the back plate - two major causes of leakage and moisture damage.

#### **Excel Series Communications:**

Standard Bi-directional, RS-232

#### **Optional:**

- Wired/wireless Ethernet, USB, 4-20mA
- RS-485, Fiber Optic, Bluetooth, and Excelsior Data Collection, QC Weigh

#### **Optional Hardware:**

- Columns, Mounting Brackets
- Setpoints/Relays
- Rechargeable Battery
- Stainless Steel Load Cells
- Remote Switches
- Roller and Conveyor Tops

#### **Software Features:**

User Front Panel Calibration Access, Defined Capacity, Cal Weights, Resolution, Flexible Data Output, Grading Scale and Peak Hold

# 2200 SERIES

## Stainless Steel Digital Bench Scale

**Key Selling Points:**

- Full Function Keypad
- Two Year Warranty
- “Quad-Spring” Shockproof Base
- Eight Product ID’s, Setpoint Outputs, and Grade Values



**Approvals:**



NTEP Class III: Indicator (CC# 06-101) 10,000d - Bases (CC# 97-097A1) 5,000d  
 Measurement Canada Class III: Indicator (AM-5617) 10,000d - Bases (AM-5241) 5,000d

Model #	Pounds Cap. x Res.	Kilograms Cap. x Res.	Ounces Cap. x Res.	Base Size	Price*
22002/88	2 x 0.0005	0.9 x 0.2g	32 x 0.01	8" x 8"	\$1,240
22005/88	5 x 0.001	2.3 x 0.5g	80 x 0.02	8" x 8"	\$1,240
22010/88	10 x 0.002	4.5 x 1g	160 x 0.05	8" x 8"	\$1,240
22025/88	25 x 0.005	11.3 x 2g	400 x 0.1	8" x 8"	\$1,240
22002	2 x 0.0005	0.9 x 0.2g	32 x 0.01	10" x 10"	\$1,240
22005	5 x 0.001	2.3 x 0.5g	80 x 0.02	10" x 10"	\$1,240
22010	10 x 0.002	4.5 x 1g	160 x 0.05	10" x 10"	\$1,240
22025	25 x 0.005	11.3 x 2g	400 x 0.1	10" x 10"	\$1,240
22050	50 x 0.01	22.7 x 5g	800 x 0.2	10" x 10"	\$1,240
22050/12	50 x 0.01	22.7 x 5g	800 x 0.2	12" x 12"	\$1,400
22100/12	100 x 0.02	45 x 10g	1600 x 0.5	12" x 12"	\$1,400
22050/15	50 x 0.01	22.7 x 5g	800 x 0.2	15" x 15"	\$1,700
22100/15	100 x 0.02	45 x 10g	1600 x 0.5	15" x 15"	\$1,700
22200/15	200 x 0.05	91 x 20g	3200 x 1	15" x 15"	\$1,700

**\*Discount level A applies to all scales in this table.**

**Notes:**

- For scales calibrated to 10,000d, add SP suffix to the part number shown above. Price is the same as the 5,000d scale.
- Model 22002 and 22002/88 are not legal for trade

### Column & Bracket Options

“Option E” Mounting Bracket (Part#: EXOPT125) ..... \$85  
 Connects indicator U-Bracket to the base to make a one-piece scale system.

14" Tall Stainless Steel Atlas Column (Part#: EXOPT161)..... \$160

**Discount level C applies to all options and replacement parts.**



# 2200 SERIES

## Stainless Steel All Purpose Scale

### Key Selling Points:

- 20" Tall Atlas Column
- Full Function Keypad
- Two Year Warranty
- "Quad-Spring" Shockproof Base (15" x 15" Base)
- Eight Product ID's, Setpoint Outputs, and Grade Values



### Approvals:



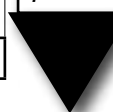
NTEP Class III: Indicator (CC# 06-101) 10,000d Bases (CC# 97-097A1 or 05-062) 5,000d

Measurement Canada Class III: Indicator (CC# AM-5617) 10,000d - Base (15" x 15" Only) (CC# AM-5241) 5,000d

Model #	Pounds Cap. x Res.	Kilograms Cap. x Res.	Ounces Cap. x Res.	Base Size	Price*
APS22050/15	50 x 0.01	22.7 x 5g	800 x 0.2	15" x 15"	\$1,950
APS22100/15	100 x 0.02	45 x 10g	1600 x 0.5	15" x 15"	\$1,950
APS22200/15	200 x 0.05	91 x 20g	3200 x 1	15" x 15"	\$1,950
APS22100/18S	100 x 0.02	45 x 10g	1600 x 0.5	18" x 18"	\$2,095
APS22250/18S	250 x 0.05	113 x 20g	4000 x 1	18" x 18"	\$2,095
APS22500/18S	500 x 0.1	227 x 50g	8000 x 2	18" x 18"	\$2,095
APS22250/1824	250 x 0.05	113 x 20g	4000 x 1	18" x 24"	\$2,195
APS22500/1824	500 x 0.1	227 x 50g	8000 x 2	18" x 24"	\$2,195
APS22250/2424	250 x 0.05	113 x 20g	4000 x 1	24" x 24"	\$2,495
APS22500/2424	500 x 0.1	227 x 50g	8000 x 2	24" x 24"	\$2,495
APS221000/2424	1000 x 0.2	454 x 0.1	16000 x 5	24" x 24"	\$2,495
<b>*Discount level A applies to all scales in this table.</b>					

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less  
than  
2012  
prices*



### Notes:

- For scales calibrated to 10,000d, add SP suffix to the part number shown above. Price is the same as the 5,000d scale.
- Additional capacities and resolutions are available upon request for an additional \$95.00.

### Column Options

Upgrade from 20" to 30" Atlas Column (Part #: EXOPT134)..... \$175

**Discount level C applies to all options and replacement parts.**

# 2200 SERIES Scale Options

## Communications & Data Output Options

<b>Bluetooth Internal Communications &amp; USB Adapter*</b> (Part#: EXOPT205) .....	\$220
Includes: Internal class 1 Bluetooth communication option and one class 1 Bluetooth USB Adapter.	
<b>Internal Bluetooth Communications Only*</b> (Part#: EXOPT202) .....	\$125
Includes: Internal class 1 Bluetooth communication option.	
<b>Ethernet - Wired*</b> (Part#: EXOPT101) .....	\$395
Includes: Internal Ethernet interface board with sealed RJ45 connector on the back of the scale.	
<b>Washdown Safe RJ45 Ethernet Connector Field Install Kit</b> (Part#: EXOPT150) .....	\$65
Includes: One NEMA4X connector to mate to the connector on the back of the scale. Installs on customer supplied cable. Requires a RJ45 cable crimping tool.	
<b>Ethernet - Wireless 802.11b*</b> (Part#: EXOPT102) .....	\$495
Includes: Internal Ethernet interface board and a 3.5" long flexible antenna with a NEMA4X bulkhead mount on the back of the meter.	
<b>USB Communications*</b> (Part#: EXOPT160) .....	\$195
Includes: Internal USB interface board and a sealed USB Type A connector bulkhead mounted on the back of the meter with a NEMA 4X sealing cap. For scales used in wet environment, choose one the following USB Waterproof Cables (IP67 and NEMA 4X Rated). This option can be combined with the 4-20mA Analog Output, Digital Output Board, and Internal Relay Options.	
<b>USB Waterproof Cable, 16 Feet Long</b> (IP67 Rated) (Part#: EXOPT163) .....	\$90
<b>4-20mA Analog Output</b> (Passive or Active) Option (Part#: EXOPT100) .....	\$210
Includes: Internal 4-20mA interface board (12-bit accuracy) & 12 feet of cable. This option can be combined with the RS-485 Serial Output, Digital Output Board, Internal Relay, and USB Interface Options.	
<b>Modbus/TCP*</b> (Part#: EXOPT186) .....	\$425
Includes: Internal Modbus/TCP interface board with a sealed RJ45 connector bulkhead mounted on the back of the meter with a NEMA 4X IP67 sealing cap.	
<b>Washdown Safe RJ45 Modbus/TCP Connector Field Install Kit</b> (Part#: EXOPT150) .....	\$65
Includes: One NEMA4X connector to mate to the connector on the back of the scale. Installs on customer supplied cable. Requires a RJ45 cable crimping tool.	

**Discount level C applies to all options and replacement parts.**

**Notes:**

\* This option is not field installable, call Doran Scales for more details.



# 2200 SERIES

## Scale Options

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### Column and Bracket Options


- “Option E” Mounting Bracket (Connects indicator U-Bracket to the base to make a one-piece scale system.)  
(Part#: EXOPT125) ..... \$85
- 14" Tall Stainless Steel Atlas Column (Part#: EXOPT161)..... \$160
- Upgrade from 20" to 30" Atlas Column (Part#: EXOPT134)..... \$175

### Printer Options

- Thermal Label Printer (Part#: PRT0350-C)..... \$600  
Thermal label printer Model LR350 includes scale to printer cable. For additional details,  
see the printer price page in the Printers section of this catalog.
- Impact Receipt Printer (Part#: PRT0351-C) ..... \$600  
Paper tape receipt printer includes scale to printer cable.

### Relay Options - Internal

- Internal Relay Option (Part #: EXOPT106) ..... \$255  
Includes: Internal relay board, with sockets to accept up to four relays. Also includes  
an attached six foot long cable with color-coded leads. Relays can be configured  
as normally open or closed.

	<b>Notes:</b> 1. One or more of the following relays must be ordered with this option. 2. This option CAN NOT be ordered with the Internal Rechargeable Battery option.
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- Mechanical Relay (Part#: EXOPT195) ..... \$55  
10 Amp - 250VAC/30VDC (6V Coil)
- Solid State Relay- AC (Part#: EXOPT109)..... \$55  
2 Amp - 100-240VAC
- Solid State Relay - DC (Part#: EXOPT110)..... \$55  
2 Amp - 5-48VDC

### Relay Options - External

- External Relay Option (Part #: EXOPT107) ..... \$375  
Includes: 10" x 7" housing with 5 volt power supply and DIN rail to accommodate up to  
8 mechanical or solid state relays. Relays can be configured as normally open or  
closed. One or more of the following external relays must be ordered with this option.
- Mechanical Relay with DIN mount terminal socket (Part#: EXOPT196)..... \$50  
10 Amp - 250VAC/30VDC (6V Coil)
- Solid State Relay- AC with DIN mount terminal socket (Part#: EXOPT112)..... \$65  
2 Amp - 100-240VAC
- Solid State Relay - DC with DIN mount terminal socket (Part#: EXOPT113)..... \$65  
2 Amp - 5-48VDC

**Discount level C applies to all options and replacement parts.**

**Notes:**

\* This option is not field installable, call Doran Scales for more details.  
RS232 Options can not be ordered with the following options: RS485 Serial Data Output, Ethernet Wired or Wireless, Fiber Optic Interface, USB Interface, or Bluetooth

# 2200 SERIES Scale Options

## Indicator Only Option

2200 Digital Weight Indicator (Part#: 2200) ..... \$750

## Serial Data Communications Options

RS-232 Serial Data Output, 10 ft. long cable, pigtail ends<sup>1</sup> (Part#: EXOPT118) ..... \$65

RS-232 Serial Data Output, 10 ft. long cable, 9 pin FEMALE D connector (Scale to PC Connection)<sup>1</sup>  
(Part #: EXOPT119) ..... \$75

RS-232 Serial Data Output, 10 ft. long cable, 9 pin MALE D connector (Scale to Printer Connection)<sup>1</sup>  
(Part #: EXOPT148) ..... \$75

## Load Cell Options

Stainless Steel Load Cell<sup>2</sup> (for 10" x 10" Base) (Part#: EXOPT136) ..... \$195

Stainless Steel Load Cell<sup>2</sup> (for 12" x 12" Base) (Part#: EXOPT137) ..... \$225

Stainless Steel Load Cell<sup>2</sup> (for 15" x 15" Base) (Part#: EXOPT138) ..... \$225

Stainless Steel Load Cell<sup>2</sup> (for 18" x 18", 18" x 24", or 24" x 24" Base) (May require an extended lead time.)

(100lb Capacity - Part#: EXOPT179-0100LB) ..... \$995 (250lb Capacity - Part#: EXOPT179-0250LB) ..... \$995

(500lb Capacity - Part#: EXOPT179-0500LB) ..... \$525 (1000lb Capacity - Part#: EXOPT179-1000LB) ..... \$525

## Power Options

230 VAC Operation<sup>4</sup> (For scales **without** an internal battery option) (Part#: EXOPT123) ..... \$95

230 VAC Operation<sup>4</sup> (For scales **with** an internal battery option)(Part#: EXOPT124) ..... \$95

External 6-24VDC Power<sup>4</sup> (Part#: EXOPT147) ..... \$200

Includes: 2 pin in-line connector on a 6" length of cable with the mating connector attached to a 21" length of two conductor cable. Connectors have a washdown rating of IP68.



### **External 6-24VDC Power Note:**

To ensure proper operation of any options with external DC power, call the factory to discuss your specific weighing application.

Internal Rechargeable Battery<sup>3,4,5</sup> (Part#: EXOPT187) ..... \$175

**Discount level C applies to all options and replacement parts.**

### **Notes:**

1. Serial data output default settings are 9600 baud, 8 bits, no parity, and one stop bit.
2. Stainless steel load cell options are not recommended for SP resolution.
3. Battery life will be reduced by 80% if this option is ordered with either EXOPT101 Ethernet - Wired or EXOPT102 Ethernet - Wireless. This option can not be ordered with EXOPT106 Internal Relay Option.
4. Not field installable, call factory for more details.
5. Battery life will be reduced by 35% if this option is ordered with EXOPT205 Bluetooth.



# 2200 SERIES

## Scale Options

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### Quick Disconnect Options

- Load Cell Cable Quick Disconnect - Bulkhead Mount\*** (IP68 Rated) (Part#: EXOPT140)..... \$98  
8 pin bulkhead mount on the back of the indicator & the mating connector is attached to the load cell cable.
- Remote Switch Quick Disconnect - Bulkhead Mount\*** (IP68 Rated) (Part#: EXOPT141)..... \$98  
4 pin bulkhead mount on the back of the indicator & the mating connector is attached to the remote switch cable. *Does NOT include the remote switch.*
- Serial Cable (DB9 - Female) Quick Disconnect - Bulkhead Mount\*** (IP68 Rated) (Part#: EXOPT172)..... \$98  
6 pin bulkhead mount on the back of the indicator & the mating connector is attached to one end of a 10' long serial cable, the other end has a DB9 female connector.
- Serial Cable (DB9 - Male) Quick Disconnect - Bulkhead Mount\*** (IP68 Rated) (Part#: EXOPT174)..... \$98  
6 pin bulkhead mount on the back of the indicator & the mating connector is attached to one end of a 10' long serial cable, the other end has a DB9 male connector.
- 

### Audible Alarm Options - Internal

1, 2, or 3 audible alarms for "Over", "Accept", or "Under", varying tones and volume control - specify tone at time of order (3 maximum). Alarms are rated NEMA 4X.

Accept	Chime	(Part#: EXOPT151).....	\$125
Over	Continuous	(Part#: EXOPT152).....	\$125
Under	Warble	(Part#: EXOPT153).....	\$125

	<b>Notes:</b> - If the scale is ordered with the Internal Rechargeable Battery Option (EXOPT149), beeper options will reduce the available battery life by 50%. - Audible Alarm Options are NOT field installable, call factory for more details.
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### Remote Switch Options

- Standard Remote Switch, configured for remote **ZERO** (non-washdown) (Part #: EXOPT115)..... \$90
- Standard Remote Switch, configured for remote **PRINT** (non-washdown) (Part #: EXOPT116)..... \$90
- Standard Remote Switch, configured for remote **UNITS** (non-washdown) (Part #: EXOPT117)..... \$90

#### **Notes:**

- All switches include a 10 foot long cable. Dimensions of switch are 3-1/2" x 2-5/8" x 1"

#### **Notes:**

\* This option is not field installable, call Doran Scales for more details.

**Discount level C applies to all options and replacement parts.**



# 2200 SERIES Barcode Scanner Options

## Model QS2500 Barcode Scanner

**General Duty Barcode Scanner (Part#: EXOPT178)** ..... \$545  
Includes: Handheld barcode wand with 12' long cable, factory hardwired into the Model 2200.



**Decoding Capability**

- UPC A, E/EAN 8,13 /JAN 8,13 (Including add-ons P2/P5)
- Code 128
- Pharmacode 39
- Codabar
- Industrial 2 of 5
- RSS-14
- RSS Expanded
- MSI/Plessey
- Telepen
- Code 11
- Code 93
- Code 39
- Interleaved 2 of 5
- Matrix 2 of 5
- RSS-14 Stacked
- RSS Limited
- UK/Plessey
- Code 16K
- PDF-417 with audio assist

## Model PS7000 Barcode Scanner

**Heavy Duty Barcode Scanner (Part#: EXOPT177)** ..... \$1,045  
Includes: Handheld barcode wand with 12' long cable, factory hardwired into the Model 2200.



**Decoding Capability**

- Codabar
- Code 93
- Code 128
- Code 128 add-ons
- Code 128ISBT
- EAN128
- MSI/Plessey
- Standard 2 of 5
- UPC/EAN/JAN
- PDF-417
- Italian Pharmacode 39
- P2/P5 add-ons
- RSS-14
- RSS Expanded
- Interleaved 2 of 5

**Tabletop/Wall Mountable Holder (Part#: MSC0175)** ..... \$40

**Barcode Scanner Cable Quick Disconnect - Bulkhead Mount (Part#: EXOPT185)** ..... \$105

Includes: 6 pin bulkhead mount on the back of the indicator & the mating connector is attached to one end of a 12' long cable, the other end is attached to the barcode scanner. *Available for either the Model QS2500 or the Model PS7000 barcode scanners.*

**Barcode Scanner Comparison Chart**

	<i>Temp. Rating</i>	<i>Mech. Shock Rating</i>	<i>ESD Protection</i>	<i>Water &amp; Dust Protection</i>	<i>Scan Width</i>	<i>Resolution</i>	<i>Print Contrast</i>
<b>QS2500</b>	32° to 113° F	Withstands 10 five foot drops to concrete	Functional after 15kV discharge	IP42	4" width at 5" from label	5 mils	25% or higher
<b>PS7000</b>	-22° to 122° F	Withstands 50 six and a half foot drops to concrete	Functional after multiple 25kV discharge	IP65	6" width at 7" from label	4 mils	20% or greater

**Discount level C applies to all options and replacement parts.**





# 7000XL SERIES

## Stainless Steel Digital Bench Scale

**Key Selling Points:**

- Heavy Duty “Guardian” Touch Panel
- 1000% Overload “Quad Spring” Base
- Washdown Safe 304 Stainless Steel Construction
- Ethernet Network Capable for Data Collection



**Approvals:**



NTEP Class III: Indicator (CC# 99-129A4) 10,000d - Bases (CC# 97-097A1) 5,000d  
 Measurement Canada Class III: Indicator (AM-5347) 10,000d - Bases (AM-5241) 5,000d

Model #	Pounds Cap. x Res.	Kilograms Cap. x Res.	Ounces Cap. x Res.	Base Size	Price*
7002XL/88	2 x 0.0005	0.9 x 0.2g	32 x 0.01	8" x 8"	\$1,210
7005XL/88	5 x 0.001	2.3 x 0.5g	80 x 0.02	8" x 8"	\$1,210
7010XL/88	10 x 0.002	4.5 x 1g	160 x 0.05	8" x 8"	\$1,210
7025XL/88	25 x 0.005	11.3 x 2g	400 x 0.1	8" x 8"	\$1,210
7002XL	2 x 0.0005	0.9 x 0.2g	32 x 0.01	10" x 10"	\$1,210
7005XL	5 x 0.001	2.3 x 0.5g	80 x 0.02	10" x 10"	\$1,210
7010XL	10 x 0.002	4.5 x 1g	160 x 0.05	10" x 10"	\$1,210
7025XL	25 x 0.005	11.3 x 2g	400 x 0.1	10" x 10"	\$1,210
7050XL	50 x 0.01	22.7 x 5g	800 x 0.2	10" x 10"	\$1,210
7050XL/12	50 x 0.01	22.7 x 5g	800 x 0.2	12" x 12"	\$1,345
7100XL/12	100 x 0.02	45 x 10g	1600 x 0.5	12" x 12"	\$1,345
7050XL/15	50 x 0.01	22.7 x 5g	800 x 0.2	15" x 15"	\$1,560
7100XL/15	100 x 0.02	45 x 10g	1600 x 0.5	15" x 15"	\$1,560
7200XL/15	200 x 0.05	91 x 20g	3200 x 1	15" x 15"	\$1,560

**\*Discount level A applies to all scales in this table.**

**Notes:**

- For scales calibrated to 10,000d, add SP suffix to the part number shown above.
- Model 7002XL and 7002XL/88 are not legal for trade

**Column & Bracket Options**

- “Option E” Mounting Bracket (Part#: EXOPT125) ..... \$85  
 Connects indicator U-Bracket to the base to make a one-piece scale system.
- 14" Tall Stainless Steel Atlas Column (Part#: EXOPT161)..... \$160

**Discount level C applies to all options and replacement parts.**



# 7000XL SERIES

## Stainless Steel All Purpose Scale

### Key Selling Points:

- 20" Tall Atlas Column
- Heavy Duty "Guardian" Touch Panel
- Washdown Safe 304 Stainless Steel Construction
- "Quad-Spring" Shockproof Base (15" x 15" Base)
- Ethernet Network Optional for Data Collection

### Approvals:



NTEP Class III: Indicator (CC# 99-129A4) 10,000d - Bases (CC# 97-097A1 or 05-062) 5,000d  
 Measurement Canada: Indicator (CC# AM-5347) 10,000d - Base (15" x 15" Only)(CC# AM-5241) 5,000d



Model #	Pounds Cap. x Res.	Kilograms Cap. x Res.	Ounces Cap. x Res.	Base Size	Price*
APS7050XL/15	50 x 0.01	22.7 x 5g	800 x 0.2	15" x 15"	\$1,915
APS7100XL/15	100 x 0.02	45 x 10g	1600 x 0.5	15" x 15"	\$1,915
APS7200XL/15	200 x 0.05	91 x 20g	3200 x 1	15" x 15"	\$1,915
APS7100XL/18S	100 x 0.02	45 x 10g	1600 x 0.5	18" x 18"	\$2,060
APS7250XL/18S	250 x 0.05	113 x 20g	4000 x 1	18" x 18"	\$2,060
APS7500XL/18S	500 x 0.1	227 x 50g	8000 x 2	18" x 18"	\$2,060
APS7250XL/1824	250 x 0.05	113 x 20g	4000 x 1	18" x 24"	\$2,160
APS7500XL/1824	500 x 0.1	227 x 50g	8000 x 2	18" x 24"	\$2,160
APS7250XL/2424	250 x 0.05	113 x 20g	4000 x 1	24" x 24"	\$2,460
APS7500XL/2424	500 x 0.1	227 x 50g	8000 x 2	24" x 24"	\$2,460
APS71000XL/2424	1000 x 0.2	454 x 0.1	16000 x 5	24" x 24"	\$2,460
<b>*Discount level A applies to all scales in this table.</b>					

**PRICE  
DROPP**  
 Now  
 priced  
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### Notes:

- For scales calibrated to 10,000d, add SP suffix to the part number shown above. Price is the same as the 5,000d scale.
- Additional capacities and resolutions are available upon request for an additional \$95.00.

### Column Options

Upgrade from 20" to 30" Atlas Column (Part #: EXOPT134)..... \$175

**Discount level C applies to all options and replacement parts.**

# 7000XL SERIES

## Scale Options

### Communications & Data Output Options

<b>Bluetooth Internal Communications &amp; USB Adapter*</b> (Part#: EXOPT205) .....	\$220
Includes: Internal class 1 Bluetooth communication option and one class 1 Bluetooth receiver USB Adapter.	
<b>Internal Bluetooth Communications Only*</b> (Part#: EXOPT202) .....	\$125
Includes: Internal class 1 Bluetooth communication option	
<b>Ethernet - Wired*</b> (Part#: EXOPT101) .....	\$395
Includes: Internal Ethernet interface board with sealed RJ45 connector on the back of the scale.	
<b>Washdown Safe RJ45 Ethernet Connector Field Install Kit</b> (Part#: EXOPT150) .....	\$65
Includes: One NEMA4X connector to mate to the connector on the back of the scale. Installs on customer supplied cable. Requires a RJ45 cable crimping tool.	
<b>Ethernet - Wireless 802.11b*</b> (Part#: EXOPT102) .....	\$495
Includes: Internal Ethernet interface board and a 3.5" long flexible antenna with a NEMA4X bulkhead mount on the back of the meter.	
<b>USB Communications*</b> (Part#: EXOPT160) .....	\$195
Includes: Internal USB interface board and a sealed USB Type A connector bulkhead mounted on the back of the meter with a NEMA 4X sealing cap. For scales used in wet environment, choose one the following USB Waterproof Cables (IP67 and NEMA 4X Rated). This option can be combined with the 4-20mA Analog Output, Digital Output Board, and Internal Relay Options.	
<b>USB Waterproof Cable, 16 Feet Long (IP67 Rated)</b> (Part#: EXOPT163) .....	\$90
<b>4-20mA Analog Output (Passive or Active) Option</b> (Part#: EXOPT100) .....	\$210
Includes: Internal 4-20mA interface board (12-bit accuracy) & 12 feet of cable. This option can be combined with the RS-485 Serial Output, Digital Output Board, Internal Relay, and USB Interface Options.	
<b>Modbus/TCP*</b> (Part#: EXOPT186) .....	\$425
Includes: Internal Modbus/TCP interface board with a sealed RJ45 connector bulkhead mounted on the back of the meter with a NEMA 4X IP67 sealing cap.	
<b>Washdown Safe RJ45 Modbus/TCP Connector Field Install Kit</b> (Part#: EXOPT150) .....	\$65
Includes: One NEMA4X connector to mate to the connector on the back of the scale. Installs on customer supplied cable. Requires a RJ45 cable crimping tool.	
<b>Digital Output Board</b> (Part#: EXOPT104) .....	\$125
Includes: Six feet of 12 conductor cable. Provides 8 open collector outputs.	

**Discount level C applies to all options and replacement parts.**

**Notes:**

\* This option is not field installable, call Doran Scales for more details.

RS232 Options can not be ordered with the following options: RS485 Serial Data Output, Ethernet Wired or Wireless, USB Interface, or Bluetooth



# 7000XL SERIES

## Scale Options

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### Printer Options

**Thermal Label Printer** (Part#: PRT0350-C)..... \$600  
Thermal label printer Model LR350 includes scale to printer cable. For additional details, see the printer price page in the Printers section of this catalog.

**Impact Printer** (Part#: PRT0351-C) ..... \$600  
Paper tape printer includes scale to printer cable.

### Relay Options - Internal

**Internal Relay Option** (Part #: EXOPT106)..... \$255  
Includes: Internal relay board, with sockets to accept up to four relays. Also includes an attached six foot long cable with color-coded leads. Relays can be configured as normally open or closed.

	<b>Notes:</b> 1. One or more of the following relays must be ordered with this option. 2. - If the scale is not equipped with Wired Ethernet, Wireless Ethernet, or RS-485 Options, then the Digital Output Board Option is required.
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**Mechanical Relay** (Part#: EXOPT195) ..... \$55  
10 Amp - 250VAC/30VDC (6V Coil)

**Solid State Relay- AC** (Part#: EXOPT109)..... \$55  
2 Amp - 100-240VAC

**Solid State Relay - DC** (Part#: EXOPT110)..... \$55  
2 Amp - 5-48VDC

### Relay Options - External

**External Relay Option** (Part #: EXOPT107)..... \$375  
Includes: 10" x 7" housing with 5 volt power supply and DIN rail to accommodate up to 8 mechanical or solid state relays. Relays can be configured as normally open or closed. One or more of the following external relays must be ordered with this option.

**Mechanical Relay** with DIN mount terminal socket (Part#: EXOPT196)..... \$50  
10 Amp - 250VAC/30VDC (6V Coil)

**Solid State Relay- AC** with DIN mount terminal socket (Part#: EXOPT112)..... \$65  
2 Amp - 100-240VAC

**Solid State Relay - DC** with DIN mount terminal socket (Part#: EXOPT113)..... \$65  
2 Amp - 5-48VDC

**Discount level C applies to all options and replacement parts.**

# 7000XL SERIES Scale Options

## Indicator Only Option

7000XLM Digital Weight Indicator (Part#: 7000XLM) ..... \$715

## Serial Data Communications Options

RS-232 Serial Data Output, 10 ft. long cable, pigtail ends<sup>1,4</sup> (Part#: EXOPT118)..... \$65

RS-232 Serial Data Output, 10 ft. long cable, 9 pin FEMALE D connector (Scale to PC Connection)<sup>1,4</sup>  
(Part #: EXOPT119) ..... \$75

RS-232 Serial Data Output, 10 ft. long cable, 9 pin MALE D connector (Scale to Printer Connection)<sup>1,4</sup>  
(Part #: EXOPT148) ..... \$75

## Load Cell Options

Stainless Steel Load Cell<sup>2</sup> (for 10" x 10" Base) (Part#: EXOPT136) ..... \$195

Stainless Steel Load Cell<sup>2</sup> (for 12" x 12" Base) (Part#: EXOPT137) ..... \$225

Stainless Steel Load Cell<sup>2</sup>  
(for 15" x 15" Base) (Part#: EXOPT138) ..... \$225

Stainless Steel Load Cell<sup>2</sup> (for 18" x 18", 18" x 24", or 24" x 24" Base) (May require an extended lead time.)  
(100lb Capacity - Part#: EXOPT179-100LB)..... \$995 (250lb Capacity - Part#: EXOPT179-250LB) .....\$995  
(500lb Capacity - Part#: EXOPT179-500LB)..... \$525 (1000lb Capacity - Part#: EXOPT179-1000LB) .....\$525


## Power Options

230 VAC Operation<sup>3</sup> (For scales **without** an internal battery option) (Part#: EXOPT123) ..... \$95

230 VAC Operation<sup>3</sup> (For scales **with** an internal battery option)(Part#: EXOPT124)..... \$95

External 6-24VDC Power<sup>3</sup> (Part#: EXOPT147) ..... \$200

Includes: 2 pin in-line connector on a 6" length of cable with the mating connector attached to a 21" length of two conductor cable. Connectors have a washdown rating of IP68.

	<b>Note:</b> To ensure proper operation of any options with external DC power, call the factory to discuss your specific weighing application.
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### **Discount level C applies to all options and replacement parts.**

**Notes:**

- 1. Serial data output default settings are 9600 baud, 8 bits, no parity, and one stop bit.
- 2. Stainless steel load cell options are not recommended for 10,000d resolution.
- 3. Not field installable, call factory for more details.
- 4. RS232 Options CAN NOT be ordered with the following options:
  - RS485 Serial Data Output (Part #: EXOPT105)
  - Ethernet - Wired (Part #: EXOPT101)
  - Ethernet - Wireless (Part #: EXOPT102)
  - USB Interface (Part#: EXOPT160)
  - USB Interface (Part#: EXOPT160)
  - Bluetooth (Part#: EXOPT205)



# 7000XL SERIES

## Scale Options

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### Column and Bracket Options

- “Option E” Mounting Bracket (Connects indicator U-Bracket to the base to make a one-piece scale system.)  
(Part#: EXOPT125) ..... \$85
- 14" Tall Stainless Steel Atlas Column (Part#: EXOPT161)..... \$160
- Upgrade from 20" to 30" Atlas Column (Part#: EXOPT134)..... \$175


### Quick Disconnect Options

- Load Cell Cable Quick Disconnect - Bulkhead Mount\*** (IP68 Rated) (Part#: EXOPT140)..... \$98  
8 pin bulkhead mount on the back of the indicator & the mating connector is attached to the load cell cable.
- Remote Switch Quick Disconnect - Bulkhead Mount\*** (IP68 Rated) (Part#: EXOPT141) ..... \$98  
4 pin bulkhead mount on the back of the indicator & the mating connector is attached to the remote switch cable. *Does NOT include the remote switch.*
- Serial Cable (DB9 - Female) Quick Disconnect - Bulkhead Mount\*** (IP68 Rated) (Part#: EXOPT172) ..... \$98  
6 pin bulkhead mount on the back of the indicator & the mating connector is attached to one end of a 10' long serial cable, the other end has a DB9 female connector.
- Serial Cable (DB9 - Male) Quick Disconnect - Bulkhead Mount\*** (IP68 Rated) (Part#: EXOPT174)..... \$98  
6 pin bulkhead mount on the back of the indicator & the mating connector is attached to one end of a 10' long serial cable, the other end has a DB9 male connector.

### Audible Alarm Options - Internal

1, 2, or 3 audible alarms for “Over”, “Accept”, or “Under”, varying tones and volume control - specify tone at time of order (3 maximum). Alarms are rated NEMA 4X.

Accept	Chime	(Part#: EXOPT151).....	\$125
Over	Continuous	(Part#: EXOPT152).....	\$125
Under	Warble	(Part#: EXOPT153).....	\$125

	<b>Notes:</b> - The Digital Output Board (Part#: EXOPT104) is required if the scale is not equipped with Wired Ethernet, Wireless Ethernet, or RS-485 Options. - Audible Alarm Options are NOT field installable, call factory for more details.
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### Remote Switch Options

- Standard Remote Switch, configured for remote **ZERO** (non-washdown) (Part #: EXOPT115)..... \$90
- Standard Remote Switch, configured for remote **PRINT** (non-washdown) (Part #: EXOPT116) ..... \$90
- Standard Remote Switch, configured for remote **UNITS** (non-washdown) (Part #: EXOPT117)..... \$90

**Notes:**

- All switches include a 10 foot long cable. Dimensions of standard switch are 3-1/2" x 2-5/8" x 1"

**Notes:**

\* This option is not field installable, call Doran Scales for more details.

**Discount level C applies to all options and replacement parts.**



# 8000XL SERIES

## Rechargeable Battery Powered Bench Scale

**Key Selling Points:**

- Internal Rechargeable Battery - 60 Hour Battery Life
- 1000% Overload “Quad Spring” Base
- Washdown Safe 304 Stainless Steel Construction
- Featuring Accumulator, Grading, and Peak & Hold



**Approvals:**



NTEP Class III: Indicator (CC# 99-129A4) 10,000d - Bases (CC# 97-097A1) 5,000d  
 Measurement Canada Class III: Indicator (CC# AM-5347) 10,000d - Bases (CC# AM-5241) 5,000d

Model #	Pounds Cap. x Res.	Kilograms Cap. x Res.	Ounces Cap. x Res.	Base Size	Price*
8002XL/88	2 x 0.0005	0.9 x 0.2g	32 x 0.01	8" x 8"	\$1,310
8005XL/88	5 x 0.001	2.3 x 0.5g	80 x 0.02	8" x 8"	\$1,310
8010XL/88	10 x 0.002	4.5 x 1g	160 x 0.05	8" x 8"	\$1,310
8025XL/88	25 x 0.005	11.3 x 2g	400 x 0.1	8" x 8"	\$1,310
8002XL	2 x 0.0005	0.9 x 0.2g	32 x 0.01	10" x 10"	\$1,310
8005XL	5 x 0.001	2.3 x 0.5g	80 x 0.02	10" x 10"	\$1,310
8010XL	10 x 0.002	4.5 x 1g	160 x 0.05	10" x 10"	\$1,310
8025XL	25 x 0.005	11.3 x 2g	400 x 0.1	10" x 10"	\$1,310
8050XL	50 x 0.01	22.7 x 5g	800 x 0.2	10" x 10"	\$1,310
8050XL/12	50 x 0.01	22.7 x 5g	800 x 0.2	12" x 12"	\$1,450
8100XL/12	100 x 0.02	45 x 10g	1600 x 0.5	12" x 12"	\$1,450
8050XL/15	50 x 0.01	22.7 x 5g	800 x 0.2	15" x 15"	\$1,690
8100XL/15	100 x 0.02	45 x 10g	1600 x 0.5	15" x 15"	\$1,690
8200XL/15	200 x 0.05	91 x 20g	3200 x 1	15" x 15"	\$1,690
<b>*Discount level A applies to all scales in this table.</b>					

**Notes:**

- For scales calibrated to 10,000d, add SP suffix to the part number shown above. Price is the same as the 5,000d scale.
- Model 8002XL and 8002XL/88 are not legal for trade

**Column & Bracket Options**

- “Option E” Mounting Bracket (Part#: EXOPT125) ..... \$85  
 Connects indicator U-Bracket to the base to make a one-piece scale system.
- 14" Tall Stainless Steel Atlas Column (Part#: EXOPT161)..... \$160

**Discount level C applies to all options and replacement parts.**



# 8000XL SERIES

## Rechargeable Battery Powered All Purpose Scale

### Key Selling Points:

- 20" Tall Atlas Column
- Internal Rechargeable Battery - 60 Hour Battery Life
- 1000% Overload "Quad Spring" Base (15" x 15")
- Washdown Safe 304 Stainless Steel Construction
- Featuring Accumulator, Grading, and Peak & Hold

### Approvals:



NTEP Class III: Indicator (CC# 99-129A4) 10,000d  
 Bases (15" x 15")(CC# 97-097A1) 5,000d  
 Bases (18" x 18", 18" x 24", 24" x 24")(CC# 05-062) 5,000d

Measurement Canada:  
 Indicator (CC# AM-5347) 10,000d  
 Base (15" x 15")(CC# AM-5241) 5,000d



Model #	Pounds Cap. x Res.	Kilograms Cap. x Res.	Ounces Cap. x Res.	Base Size	Price*
APS8050XL/15	50 x 0.01	22.7 x 5g	800 x 0.2	15" x 15"	\$2,050
APS8100XL/15	100 x 0.02	45 x 10g	1600 x 0.5	15" x 15"	\$2,050
APS8200XL/15	200 x 0.05	91 x 20g	3200 x 1	15" x 15"	\$2,050
APS8100XL/18S	100 x 0.02	45 x 10g	1600 x 0.5	18" x 18"	\$2,195
APS8250XL/18S	250 x 0.05	113 x 20g	4000 x 1	18" x 18"	\$2,195
APS8500XL/18S	500 x 0.1	227 x 50g	8000 x 2	18" x 18"	\$2,195
APS8250XL/1824	250 x 0.05	113 x 20g	4000 x 1	18" x 24"	\$2,295
APS8500XL/1824	500 x 0.1	227 x 50g	8000 x 2	18" x 24"	\$2,295
APS8250XL/2424	250 x 0.05	113 x 20g	4000 x 1	24" x 24"	\$2,595
APS8500XL/2424	500 x 0.1	227 x 50g	8000 x 2	24" x 24"	\$2,595
APS81000XL/2424	1000 x 0.2	454 x 0.1	16000 x 5	24" x 24"	\$2,595
<b>*Discount level A applies to all scales in this table.</b>					

**PRICE  
DROPS**  
 Now  
 priced  
 less  
 than  
 2012  
 prices

### Notes:

- For scales calibrated to 10,000d, add SP suffix to the part number shown above. Price is the same as the 5,000d scale.
- Additional capacities and resolutions are available upon request for an additional \$95.00.

### Column Options

Upgrade from 20" to 30" Atlas Column (Part #: EXOPT134)..... \$175

**Discount level C applies to all options and replacement parts.**

# 8000XL SERIES

## Scale Options

### Communications & Data Output Options

<b>Bluetooth Internal Transmitter &amp; USB Receiver*</b> (Part#: EXOPT205) .....	\$220
Includes: One internal class 1 Bluetooth transmitter and one class 1 Bluetooth receiver USB Adapter.	
<b>Internal Bluetooth Transmitter Only*</b> (Part#: EXOPT202) .....	\$125
Includes: One internal class 1 Bluetooth communication option	
<b>Ethernet - Wired*</b> (Part#: EXOPT101) .....	\$395
Includes: Internal Ethernet interface board with sealed RJ45 connector on the back of the scale.	
<b>Washdown Safe RJ45 Ethernet Connector Field Install Kit</b> (Part#: EXOPT150) .....	\$65
Includes: One NEMA4X connector to mate to the connector on the back of the scale. Installs on customer supplied cable. Requires a RJ45 cable crimping tool.	
<b>Ethernet - Wireless 802.11b*</b> (Part#: EXOPT102) .....	\$495
Includes: Internal Ethernet interface board and a 3.5" long flexible antenna with a NEMA4X bulkhead mount on the back of the meter.	
<b>USB Interface*</b> (Part#: EXOPT160) .....	\$195
Includes: Internal USB interface board and a sealed USB Type A connector bulkhead mounted on the back of the meter with a NEMA 4X sealing cap. For scales used in wet environment, choose one the following USB Waterproof Cables (IP67 and NEMA 4X Rated). This option can be combined with the 4-20mA Analog Output, Digital Output Board, and Internal Relay Options.	
<b>USB Waterproof Cable, 16 Feet Long</b> (IP67 Rated) (Part#: EXOPT163) .....	\$90
<b>4-20mA Analog Output</b> (Passive or Active) Option (Part#: EXOPT100) .....	\$210
Includes: Internal 4-20mA interface board (12-bit accuracy) & 12 feet of cable. This option can be combined with the RS-485 Serial Output, Digital Output Board, Internal Relay, and USB Interface Options.	
<b>Modbus/TCP*</b> (Part#: EXOPT186) .....	\$425
Includes: Internal Modbus/TCP Interface board with a sealed RJ45 connector bulkhead mounted on the back of the meter with a NEMA 4X IP67 sealing cap.	
<b>Washdown Safe RJ45 Modbus/TCP Connector Field Install Kit</b> (Part#: EXOPT150) .....	\$65
Includes: One NEMA4X connector to mate to the connector on the back of the scale. Installs on customer supplied cable. Requires a RJ45 cable crimping tool.	
<b>Digital Output Board</b> (Part#: EXOPT104) .....	\$125
Includes: Six feet of 12 conductor cable. Provides 8 open collector outputs.	

**Discount level C applies to all options and replacement parts.**

**Notes:**

\* This option is not field installable, call Doran Scales for more details.

RS232 Options can not be ordered with the following options: RS485 Serial Data Output, Ethernet Wired or Wireless, USB Interface, or Bluetooth



# 8000XL SERIES

## Scale Options

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### Printer Options

**Thermal Label Printer** (Part#: PRT0350-C)..... \$600  
Thermal label printer Model LR350 includes scale to printer cable. For additional details, see the printer price page in the Printers section of this catalog.

**Impact Printer** (Part#: PRT0351-C) ..... \$600  
Paper tape printer includes scale to printer cable.

### Relay Options - Internal

**Internal Relay Option** (Part #: EXOPT106)..... \$255  
Includes: Internal relay board, with sockets to accept up to four relays. Also includes an attached six foot long cable with color-coded leads. Relays can be configured as normally open or closed.

	<b>Notes:</b> 1. One or more of the following relays must be ordered with this option. 2. The digital output board option (Part #: EXOPT104) is required unless the scale is equipped with wired Ethernet, wireless Ethernet, or RS-485.
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**Mechanical Relay** (Part#: EXOPT195) ..... \$55  
10 Amp - 250VAC/30VDC (6V Coil)

**Solid State Relay- AC** (Part#: EXOPT109)..... \$55  
2 Amp - 100-240VAC

**Solid State Relay - DC** (Part#: EXOPT110)..... \$55  
2 Amp - 5-48VDC

### Relay Options - External

**External Relay Option** (Part #: EXOPT107)..... \$375  
Includes: 10" x 7" housing with 5 volt power supply and DIN rail to accommodate up to 8 mechanical or solid state relays. Relays can be configured as normally open or closed. One or more of the following external relays must be ordered with this option.

**Mechanical Relay** with DIN mount terminal socket (Part#: EXOPT196)..... \$50  
10 Amp - 250VAC/30VDC (6V Coil)

**Solid State Relay- AC** with DIN mount terminal socket (Part#: EXOPT112)..... \$65  
2 Amp - 100-240VAC

**Solid State Relay - DC** with DIN mount terminal socket (Part#: EXOPT113)..... \$65  
2 Amp - 5-48VDC

### Remote Switch Options

Standard Remote Switch, configured for remote **ZERO** (non-washdown) (Part #: EXOPT115)..... \$90

Standard Remote Switch, configured for remote **PRINT** (non-washdown) (Part #: EXOPT116)..... \$90

Standard Remote Switch, configured for remote **UNITS** (non-washdown) (Part #: EXOPT117)..... \$90

#### Notes:

- All switches include a 10 foot long cable. Dimensions of standard switch are 3-1/2" x 2-5/8" x 1"

**Discount level C applies to all options and replacement parts.**

# 8000XL SERIES

## Scale Options

### Indicator Only Option

8000XLM Digital Weight Indicator (Part#: 8000XLM) ..... \$850

### Serial Data Communications Options

RS-232 Serial Data Output, 10 ft. long cable, pigtail ends<sup>1,4</sup> (Part#: EXOPT118)..... \$65

RS-232 Serial Data Output, 10 ft. long cable, 9 pin FEMALE D connector (Scale to PC Connection)<sup>1,4</sup>  
(Part #: EXOPT119) ..... \$75

RS-232 Serial Data Output, 10 ft. long cable, 9 pin MALE D connector (Scale to Printer Connection)<sup>1,4</sup>  
(Part #: EXOPT148) ..... \$75

### Load Cell Options

Stainless Steel Load Cell<sup>2</sup> (for 10" x 10" Base) (Part#: EXOPT136) ..... \$195

Stainless Steel Load Cell<sup>2</sup> (for 12" x 12" Base) (Part#: EXOPT137) ..... \$225

Stainless Steel Load Cell<sup>2</sup> (for 15" x 15" Base) (Part#: EXOPT138) ..... \$225

Stainless Steel Load Cell<sup>2</sup> (for 18" x 18", 18" x 24", or 24" x 24" Base) (May require an extended lead time.)


(100lb Capacity - Part#: EXOPT179-0100LB)..... \$995 (250lb Capacity - Part#: EXOPT179-0250LB) .....\$995

(500lb Capacity - Part#: EXOPT179-0500LB)..... \$525 (1000lb Capacity - Part#: EXOPT179-1000LB) .....\$525

### Power Options

230 VAC Operation<sup>3</sup> (For scales **with** an internal battery option)(Part#: EXOPT124)..... \$95

External 6-24VDC Power<sup>3</sup> (Part#: EXOPT147) ..... \$200  
Includes: 2 pin in-line connector on a 6" length of cable with the mating connector attached to a 21" length of two conductor cable. Connectors have a washdown rating of IP68.

	<b>External 6-24VDC Power Note:</b> To ensure proper operation any options, call the factory to discuss your specific weighing application.
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### Discount level C applies to all options and replacement parts.

#### Notes:

1. Serial data output default settings are 9600 baud, 8 bits, no parity, and one stop bit.

2. Stainless steel load cell options are not recommended for 10,000d resolution.

3. Not field installable, call factory for more details.

4. RS232 Options *CAN NOT* be ordered with the following options:

RS485 Serial Data Output (Part #: EXOPT105)

Ethernet - Wired (Part #: EXOPT101)

Ethernet - Wireless (Part #: EXOPT102)

USB Interface (Part#: EXOPT160)

Bluetooth (Part#: EXOPT205)



# 8000XL SERIES

## Scale Options

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### Column and Bracket Options

“Option E” Mounting Bracket (Connects indicator U-Bracket to the base to make a one-piece scale system.) (Part#: EXOPT125) .....	\$85
14" Tall Stainless Steel Atlas Column (Part#: EXOPT161).....	\$160
Upgrade from 20" to 30" Atlas Column (Part#: EXOPT134).....	\$175


### Quick Disconnect Options

<b>Load Cell Cable Quick Disconnect - Bulkhead Mount*</b> (IP68 Rated) (Part#: EXOPT140).....	\$98
8 pin bulkhead mount on the back of the indicator & the mating connector is attached to the load cell cable.	
<b>Remote Switch Quick Disconnect - Bulkhead Mount*</b> (IP68 Rated) (Part#: EXOPT141) .....	\$98
4 pin bulkhead mount on the back of the indicator & the mating connector is attached to the remote switch cable. <i>Does NOT include the remote switch.</i>	
<b>Serial Cable (DB9 - Female) Quick Disconnect - Bulkhead Mount*</b> (IP68 Rated) (Part#: EXOPT172) .....	\$98
6 pin bulkhead mount on the back of the indicator & the mating connector is attached to one end of a 10' long serial cable, the other end has a DB9 female connector.	
<b>Serial Cable (DB9 - Male) Quick Disconnect - Bulkhead Mount*</b> (IP68 Rated) (Part#: EXOPT174).....	\$98
6 pin bulkhead mount on the back of the indicator & the mating connector is attached to one end of a 10' long serial cable, the other end has a DB9 male connector.	

### Audible Alarm Options - Internal

1, 2, or 3 audible alarms for “Over”, “Accept”, or “Under”, varying tones and volume control - specify tone at time of order (3 maximum). Alarms are rated NEMA 4X.

Accept	Chime	(Part#: EXOPT151).....	\$125
Over	Continuous	(Part#: EXOPT152).....	\$125
Under	Warble	(Part#: EXOPT153).....	\$125

	<b>Notes:</b> <ul style="list-style-type: none"><li>- If the scale is not equipped with Wired Ethernet, Wireless Ethernet, or RS-485 Options, then the Digital Output Board Option is required.</li><li>- Audible Alarm Options will reduce the available battery life by 50%.</li><li>- Audible Alarm Options are NOT field-installable, call factory for more details.</li></ul>
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**Notes:**

\* This option is not field installable, call Doran Scales for more details.

**Discount level C applies to all options and replacement parts.**

# PFS SERIES

## Stainless Steel Portable Floor Scale

**Key Selling Points:**

- Heavy Duty Cart is Equipped With Two Fixed and Two Swivel Casters
- Available with Any Doran Stainless Steel Indicator
- Washdown Safe 304 Stainless Steel Construction



**Approvals:**



NTEP Class III: Indicator (CC# 99-129A4) 10,000d - Base (CC# 05-062) 5,000d

- Available with 2200 Indicator..... \$4,550 (A)
- Available with 2200CW Indicator..... \$4,650 (A)
- Available with 7400M Indicator..... \$4,535 (A)
- Available with 8000IS Intrinsically Safe System..... \$5,845 (A)

**PFS Scale with the 7000XLM Indicator**

Model #	Pounds Cap. x Res.	Kilograms Cap. x Res.	Ounces Cap. x Res.	Price*
PFS7250XLP	250 x 0.05	113 x 20g	4000 x 1	\$4,515
PFS7500XLP	500 x 0.1	227 x 50g	8000 x 2	\$4,515
PFS71000XL	1000 x 0.2	454 x 100g	16000 x 5	\$4,515
<b>*Discount level A applies to all scales in this table.</b>				

**PFS Scale with the 8000XLM Indicator**

Model #	Pounds Cap. x Res.	Kilograms Cap. x Res.	Ounces Cap. x Res.	Price*
PFS8250XLP	250 x 0.05	113 x 20g	4000 x 1	\$4,650
PFS8500XLP	500 x 0.1	227 x 50g	8000 x 2	\$4,650
PFS81000XL	1000 x 0.2	454 x 100g	16000 x 5	\$4,650
<b>*Discount level A applies to all scales in this table.</b>				

**PRICE  
DROP**

*Now  
priced  
less  
than  
2012  
prices*



**Notes:**

- Shipping via Truck or Common Carrier Only.
- Additional capacities and resolutions are available upon request for an additional \$95.00.

**PFS Series Replacement Parts**

- PFS Cart Only (Part#: ENC0123)..... \$2,305
- Spare Caster, Fixed (Part#: MSC0022)..... \$95
- Spare Caster, Swivel (Part#: MSC0023)..... \$130

**Discount level C applies to all options and replacement parts.**







# 2200CW SERIES

## Stainless Steel Checkweigh Scale

### Key Selling Points:

- Full Function Keypad
- 250 Product ID's, Setpoint Outputs, and Grade Values
- "Quad-Spring" Shockproof Base
- Includes 14" Column

### Approvals:



NTEP Class III: Indicator (CC# 06-101) 10,000d - Bases (CC# 97-097A1) 5,000d

Measurement Canada Class III: Indicator (AM-5617) 10,000d - Bases (AM-5241) 5,000d



Model #	Pounds Cap. x Res.	Kilograms Cap. x Res.	Ounces Cap. x Res.	Base Size	Price*
22002CW/88	2 x 0.0005	0.9 x 0.2g	32 x 0.01	8" x 8"	\$1,435
22005CW/88	5 x 0.001	2.3 x 0.5g	80 x 0.02	8" x 8"	\$1,435
22010CW/88	10 x 0.002	4.5 x 1g	160 x 0.05	8" x 8"	\$1,435
22025CW/88	25 x 0.005	11.3 x 2g	400 x 0.1	8" x 8"	\$1,435
22002CW	2 x 0.0005	0.9 x 0.2g	32 x 0.01	10" x 10"	\$1,435
22005CW	5 x 0.001	2.3 x 0.5g	80 x 0.02	10" x 10"	\$1,435
22010CW	10 x 0.002	4.5 x 1g	160 x 0.05	10" x 10"	\$1,435
22025CW	25 x 0.005	11.3 x 2g	400 x 0.1	10" x 10"	\$1,435
22050CW	50 x 0.01	22.7 x 5g	800 x 0.2	10" x 10"	\$1,435
22050/12CW	50 x 0.01	22.7 x 5g	800 x 0.2	12" x 12"	\$1,575
22100/12CW	100 x 0.02	45 x 10g	1600 x 0.5	12" x 12"	\$1,575
22050/15CW	50 x 0.01	22.7 x 5g	800 x 0.2	15" x 15"	\$1,795
22100/15CW	100 x 0.02	45 x 10g	1600 x 0.5	15" x 15"	\$1,795
22200/15CW	200 x 0.05	91 x 20g	3200 x 1	15" x 15"	\$1,795

**\*Discount level A applies to all scales in this table.**

### Notes:

- For scales calibrated to 10,000d, add SP suffix to the part number shown above. Price is the same as the 5,000d scale.
- Model 22002CW and 22002CW/88 are not legal for trade

**Discount level C applies to all options and replacement parts.**



# 2200CW SERIES

## All Purpose Checkweigh Scale

### Key Selling Points:

- 20" Tall Atlas Column
- Full Function Keypad
- OVER, UNDER, and ACCEPT Indicators
- "Quad-Spring" Shockproof Base (15" x 15" Base)
- 250 Product ID's, Setpoint Outputs, and Grade Values



### Approvals:



NTEP Class III: Indicator (CC# 06-101) 10,000d - Bases (CC# 97-097A1 & 05-062) 5,000d

Measurement Canada NOA: Indicator (AM-5617) 10,000d - 15" x 15" Bases Only (AM-5241) 5,000d

Model #	Pounds Cap. x Res.	Kilograms Cap. x Res.	Ounces Cap. x Res.	Base Size	Price*
APS22050CW/15	50 x 0.01	22.7 x 5g	800 x 0.2	15" x 15"	\$1,995
APS22100CW/15	100 x 0.02	45 x 10g	1600 x 0.5	15" x 15"	\$1,995
APS22200CW/15	200 x 0.05	91 x 20g	3200 x 1	15" x 15"	\$1,995
APS22100CW/18S	100 x 0.02	45 x 10g	1600 x 0.5	18" x 18"	\$2,140
APS22250CW/18S	250 x 0.05	113 x 20g	4000 x 1	18" x 18"	\$2,140
APS22500CW/18S	500 x 0.1	227 x 50g	8000 x 2	18" x 18"	\$2,140
APS22250CW/1824	250 x 0.05	113 x 20g	4000 x 1	18" x 24"	\$2,240
APS22500CW/1824	500 x 0.1	227 x 50g	8000 x 2	18" x 24"	\$2,240
APS22250CW/2424	250 x 0.05	113 x 20g	4000 x 1	24" x 24"	\$2,540
APS22500CW/2424	500 x 0.1	227 x 50g	8000 x 2	24" x 24"	\$2,540
APS221000CW/2424	1000 x 0.2	454 x 0.1	16000 x 5	24" x 24"	\$2,540
<b>*Discount level A applies to all scales in this table.</b>					

**PRICE  
DROP**

*Now  
priced  
less  
than  
2012  
prices*

### Notes:

- For scales calibrated to 10,000d, add SP suffix to the part number shown above. Price is the same as the 5,000d scale.
- Additional capacities and resolutions are available upon request for an additional \$95.00.

### Column Options

Upgrade from 20" to 30" Atlas Column (Part #: EXOPT134)..... \$175

**Discount level C applies to all options and replacement parts.**

## CheckWay Configuration Software

It's never been easier to upload, download, and maintain checkweigh tolerances than it is now with CheckWay. This optional software is designed for use with the 2200CW internal database through the standard or optional communication choices. Simply enter the product ID, Description field, Checkweigh parameters, and Tare weights and then select the scale or scales to upload to or download from. Scale setup files are saved on the PC, so configuring several scales with identical data is easy and accurate. Programming hundreds of product parameters takes minutes, instead of hours.



CheckWay Configuration Software (Part #: SFT0005)..... \$195

## Excelerator Data Collection Software

Now checkweigh data can be moved to where and when decisions need to be made -- at a management level in real-time. Collect data from up to 20 scales simultaneously using one PC with Doran's optional Excelerator Data Collection Software. Scale data can be sent from the 2200CW to Excelerator via one of the standard RS-232 ports or through the versatile communication options. Scale data is sent directly into an Excel spreadsheet, using a custom format you define in Excelerator. Refer to the Data Collection Software price page in your dealer catalog for the full list of features and benefits of this product.

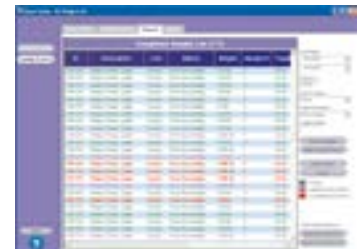


Excelerator Data Collection Software (Part #: SFT0001)..... \$395

## QC Weigh Software

Reducing cost of poor quality starts with actionable data that is delivered accurately and quickly. QC Weigh software achieves that by capturing quality control data and transmits the data to your customer's desktop. QC Weigh provides data that your customer can trust. Handwritten QC records have been shown to be inaccurate and pages and pages of handwritten records make it impossible to pinpoint manufacturing problems.

Employees are held accountable for accurate QC sampling. Using unique operator ID's, scheduled sample intervals with alarms, and data collection ensure that employees are performing quality control tasks.



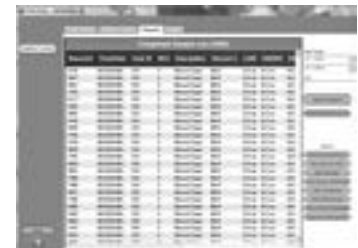
QC Weigh Software (Part #: SFT0006)..... \$1,295

## Production Sentry Software

This newest addition to Doran Scales software collection works with the 2200CW scale making it possible to record all weighments on the factory floor. In addition to the weighments, the software records logins to the scale and links these to the weight data.

Production Sentry acts as a remote control for the management team. Using Production Sentry, supervisors can control the scales from a remote location changing tolerances, associating user ID's to scale ID's, assigning scales to groups, or adding product ID's to scales.

In one real-world application, Production Sentry revealed that employees were producing product out of tolerance 54% of the time as opposed to the 10% rate that management observed. Installing Production Sentry and 2200CW scales caused a change in behavior of the employees - resulting in an improvement of the accuracy rate and profit margins.



Production Sentry (Part #: SFT0008)..... \$3,995

**(C Discount level applies to all options.)**



# 2200CW SERIES

## Scale Options

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### Column and Bracket Options

<b>“Option E” Mounting Bracket</b> (Connects indicator U-Bracket to the base to make a one-piece scale system.) (Part#: EXOPT125) .....	\$85
<b>14" Tall Stainless Steel Atlas Column</b> (Part#: EXOPT161) .....	\$160
<b>Upgrade from 20" to 30" Atlas Column</b> (Part#: EXOPT134) .....	\$175

### Communications & Data Output Options

<b>Bluetooth Internal Communications &amp; USB Adapter*</b> (Part#: EXOPT205) .....	\$220
Includes: Internal class 1 Bluetooth communication option and one class 1 Bluetooth USB Adapter	
<b>Internal Bluetooth Communications Only*</b> (Part#: EXOPT202) .....	\$125
Includes: Internal class 1 Bluetooth communication option	
<b>Ethernet - Wired*</b> (Part#: EXOPT101) .....	\$395
Includes: Internal Ethernet interface board with sealed RJ45 connector on the back of the scale.	
<b>Washdown Safe RJ45 Ethernet Connector Field Install Kit</b> (Part#: EXOPT150) .....	\$65
Includes: One NEMA4X connector to mate to the connector on the back of the scale. Installs on customer supplied cable. Requires a RJ45 cable crimping tool.	
<b>Ethernet - Wireless 802.11b*</b> (Part#: EXOPT102) .....	\$495
Includes: Internal Ethernet interface board and a 3.5" long flexible antenna with a NEMA4X bulkhead mount on the back of the meter.	
<b>USB Communications*</b> (Part#: EXOPT160) .....	\$195
Includes: Internal USB interface board and a sealed USB Type A connector bulkhead mounted on the back of the meter with a NEMA 4X sealing cap. For scales used in wet environment, choose one the following USB Waterproof Cables (IP67 and NEMA 4X Rated). This option can be combined with the 4-20mA Analog Output, Digital Output Board, and Internal Relay Options.	
<b>USB Waterproof Cable, 16 Feet Long</b> (IP67 Rated) (Part#: EXOPT163) .....	\$90
<b>4-20mA Analog Output</b> (Passive or Active) Option (Part#: EXOPT100) .....	\$210
Includes: Internal 4-20mA interface board (12-bit accuracy) & 12 feet of cable. This option can be combined with the RS-485 Serial Output, Digital Output Board, Internal Relay, and USB Interface Options.	
<b>Modbus/TCP*</b> (Part#: EXOPT186) .....	\$425
Includes: Internal Modbus/TCP interface board with a sealed RJ45 connector bulkhead mounted on the back of the meter with a NEMA 4X IP67 sealing cap.	
<b>Washdown Safe RJ45 Modbus/TCP Connector Field Install Kit</b> (Part#: EXOPT150) .....	\$65
Includes: One NEMA4X connector to mate to the connector on the back of the scale. Installs on customer supplied cable. Requires a RJ45 cable crimping tool.	

**Discount level C applies to all options and replacement parts.**

**Notes:**

\* This option is not field installable, call Doran Scales for more details.

# 2200CW SERIES


## Scale Options

### Printer Options

- Thermal Label Printer** (Part#: PRT0350-C)..... \$600  
Thermal label printer Model LR350 includes scale to printer cable. For additional details, see the printer price page in the Printers section of this catalog.
- Impact Tape Printer** (Part#: PRT0351-C)..... \$600  
Paper tape printer includes scale to printer cable.

### Relay Options - Internal

- Internal Relay Option** (Part #: EXOPT106)..... \$255  
Includes: Internal relay board, with sockets to accept up to four relays. Also includes an attached six foot long cable with color-coded leads. Relays can be configured as normally open or closed.

	<b>Notes:</b> 1. One or more of the following relays must be ordered with this option. 2. This option CAN NOT be ordered with the Internal Rechargeable Battery option.
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- Mechanical Relay** (Part#: EXOPT195) ..... \$55  
10 Amp - 250VAC/30VDC (6V Coil)
- Solid State Relay- AC** (Part#: EXOPT109)..... \$55  
2 Amp - 100-240VAC
- Solid State Relay - DC** (Part#: EXOPT110)..... \$55  
2 Amp - 5-48VDC

### Relay Options - External

- External Relay Option** (Part #: EXOPT107)..... \$375  
Includes: 10" x 7" housing with 5 volt power supply and DIN rail to accommodate up to 8 mechanical or solid state relays. Relays can be configured as normally open or closed. One or more of the following external relays must be ordered with this option.
- Mechanical Relay** with DIN mount terminal socket (Part#: EXOPT196)..... \$50  
10 Amp - 250VAC/30VDC (6V Coil)
- Solid State Relay- AC** with DIN mount terminal socket (Part#: EXOPT112)..... \$65  
2 Amp - 100-240VAC
- Solid State Relay - DC** with DIN mount terminal socket (Part#: EXOPT113)..... \$65  
2 Amp - 5-48VDC

**Discount level C applies to all options and replacement parts.**

**Notes:**

RS232 Options can not be ordered with the following options: RS485 Serial Data Output, Ethernet Wired or Wireless, USB Interface, or Bluetooth



# 2200CW SERIES

## Scale Options

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### Indicator Only Option

2200CW Digital Weight Indicator (Part#: 2200CW) ..... \$795

### Serial Data Communications Options

RS-232 Serial Data Output, 10 ft. long cable, pigtail ends<sup>1</sup> (Part#: EXOPT118) ..... \$65

RS-232 Serial Data Output, 10 ft. long cable, 9 pin FEMALE D connector (Scale to PC Connection)<sup>1</sup>  
(Part #: EXOPT119) ..... \$75

RS-232 Serial Data Output, 10 ft. long cable, 9 pin MALE D connector (Scale to Printer Connection)<sup>1</sup>  
(Part #: EXOPT148) ..... \$75

### Load Cell Options

Stainless Steel Load Cell<sup>2</sup> (for 10" x 10" Base) (Part#: EXOPT136) ..... \$195

Stainless Steel Load Cell<sup>2</sup> (for 12" x 12" Base) (Part#: EXOPT137) ..... \$225

Stainless Steel Load Cell<sup>2</sup> (for 15" x 15" Base) (Part#: EXOPT138) ..... \$225

Stainless Steel Load Cell<sup>2</sup> (for 18" x 18", 18" x 24", or 24" x 24" Base) (May require an extended lead time.)

(100lb Capacity - Part#: EXOPT179-100LB)..... \$995 (250lb Capacity - Part#: EXOPT179-250LB) .....\$995

(500lb Capacity - Part#: EXOPT179-500LB)..... \$525 (1000lb Capacity - Part#: EXOPT179-1000LB) .....\$525


### Power Options

230 VAC Operation<sup>4</sup> (For scales **without** an internal battery option) (Part#: EXOPT123) ..... \$95

230 VAC Operation<sup>4</sup> (For scales **with** an internal battery option) (Part#: EXOPT124) ..... \$95

External 6-24VDC Power (Part#: EXOPT147)<sup>4</sup> ..... \$200

Includes: 2 pin in-line connector on a 6" length of cable with the mating connector attached to a 21" length of two conductor cable. Connectors have a washdown rating of IP68.

	<b>External 6-24VDC Power Note:</b> To ensure proper operation of any options with external DC Power, call the factory to discuss your specific weighing application.
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Internal Rechargeable Battery<sup>3,4,5</sup> (Part#: EXOPT199)..... \$175

**Discount level C applies to all options and replacement parts.**

**Notes:**

1. Serial data output default settings are 9600 baud, 8 bits, no parity, and one stop bit.
2. Stainless steel load cell options are not recommended for 10,000d resolution.
3. Battery life will be reduced by 80% if this option is ordered with either EXOPT101 Ethernet - Wired or EXOPT102 Ethernet - Wireless. This option can not be ordered with EXOPT106 Internal Relay Option.
4. Not field-installable, call factory for more details.
5. Battery life will be reduced by 35% if this option is ordered with EXOPT205 Bluetooth.

# 2200CW SERIES

## Scale Options

### Column and Bracket Options

- “Option E” Mounting Bracket (Connects indicator U-Bracket to the base to make a one-piece scale system.)  
 (Part#: EXOPT125) ..... \$85
- 14" Tall Stainless Steel Atlas Column (Part#: EXOPT161)..... \$160
- Upgrade from 20" to 30" Atlas Column (Part#: EXOPT134)..... \$175


### Quick Disconnect Options

- Load Cell Cable Quick Disconnect - Bulkhead Mount\*** (IP68 Rated) (Part#: EXOPT140)..... \$98  
 8 pin bulkhead mount on the back of the indicator & the mating connector is attached to the load cell cable.
- Remote Switch Quick Disconnect - Bulkhead Mount\*** (IP68 Rated) (Part#: EXOPT141) ..... \$98  
 4 pin bulkhead mount on the back of the indicator & the mating connector is attached to the remote switch cable. *Does NOT include the remote switch.*
- Serial Cable (DB9 - Female) Quick Disconnect - Bulkhead Mount\*** (IP68 Rated) (Part#: EXOPT172) ..... \$98  
 6 pin bulkhead mount on the back of the indicator & the mating connector is attached to one end of a 10' long serial cable, the other end has a DB9 female connector.
- Serial Cable (DB9 - Male) Quick Disconnect - Bulkhead Mount\*** (IP68 Rated) (Part#: EXOPT174)..... \$98  
 6 pin bulkhead mount on the back of the indicator & the mating connector is attached to one end of a 10' long serial cable, the other end has a DB9 male connector.

### Audible Alarm Options - Internal

1, 2, or 3 audible alarms for “Over”, “Accept”, or “Under”, varying tones and volume control - specify tone at time of order (3 maximum). Alarms are rated NEMA 4X.

Accept	Chime	(Part#: EXOPT151).....	\$125
Over	Continuous	(Part#: EXOPT152).....	\$125
Under	Warble	(Part#: EXOPT153).....	\$125

	<p><b>Notes:</b></p> <ul style="list-style-type: none"> <li>- If the scale is ordered with the Internal Rechargeable Battery Option (EXOPT149), beeper options will reduce the available battery life by 50%.</li> <li>- Audible Alarm Options are NOT field-installable, call factory for more details.</li> </ul>
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### Remote Switch Options

- Standard Remote Switch, configured for remote **ZERO** (non-washdown) (Part #: EXOPT115)..... \$90
- Standard Remote Switch, configured for remote **PRINT** (non-washdown) (Part #: EXOPT116)..... \$90
- Standard Remote Switch, configured for remote **UNITS** (non-washdown) (Part #: EXOPT117)..... \$90

**Notes:**

- All switches include a 10 foot long cable. Dimensions of standard switch are 3-1/2" x 2-5/8" x 1"

**Notes:**

\* This option is not field installable, call Doran Scales for more details.

**Discount level C applies to all options and replacement parts.**



# 2200CW SERIES

## Barcode Scanner Options

### Model QS2500 Barcode Scanner

**General Duty Barcode Scanner** (Part#: EXOPT178) ..... \$545  
 Includes: Handheld barcode wand with 12' long cable, factory hardwired into the Model 2200.



**Decoding Capability**

- UPC A, E/EAN 8,13 /JAN 8,13 (Including add-ons P2/P5)
- Code 128
- Pharmacode 39
- Codabar
- Industrial 2 of 5
- RSS-14
- RSS Expanded
- MSI/Plessey
- Telepen
- Code 11
- Code 93
- Code 39
- Interleaved 2 of 5
- Matrix 2 of 5
- RSS-14 Stacked
- RSS Limited
- UK/Plessey
- Code 16K
- PDF-417 with audio assist

### Model PS7000 Barcode Scanner

**Heavy Duty Barcode Scanner** (Part#: EXOPT177) ..... \$1,045  
 Includes: Handheld barcode wand with 12' long cable, factory hardwired into the Model 2200.



**Decoding Capability**

- Codabar
- Code 93
- Code 128
- Code 128 add-ons
- Code 128ISBTU
- EAN128
- MSI/Plessey
- Standard 2 of 5
- UPC/EAN/JAN
- PDF-417
- Italian Pharmacode 39
- P2/P5 add-ons
- RSS-14
- RSS Expanded
- Interleaved 2 of 5

**Tabletop/Wall Mountable Holder** (Part#: MSC0175) ..... \$40

**Barcode Scanner Cable Quick Disconnect - Bulkhead Mount** (Part#: EXOPT185) ..... \$105  
 Includes: 6 pin bulkhead mount on the back of the indicator & the mating connector is attached to one end of a 12' long cable, the other end is attached to the barcode scanner. *Available for either the Model QS2500 or the Model PS7000 barcode scanners.*

**Barcode Scanner Comparison Chart**

	<i>Temp. Rating</i>	<i>Mech. Shock Rating</i>	<i>ESD Protection</i>	<i>Water &amp; Dust Protection</i>	<i>Scan Width</i>	<i>Resolution</i>	<i>Print Contrast</i>
<b>QS2500</b>	32° to 113° F	Withstands 10 five foot drops to concrete	Functional after 15kV discharge	IP42	4" width at 5" from label	5 mils	25% or higher
<b>PS7000</b>	-22° to 122° F	Withstands 50 six and a half foot drops to concrete	Functional after multiple 25kV discharge	IP65	6" width at 7" from label	4 mils	20% or greater

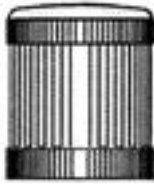
**Discount level C applies to all options and replacement parts.**



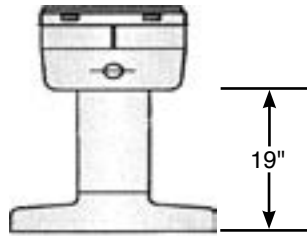
# 2200CW SERIES

## Light Tower Options

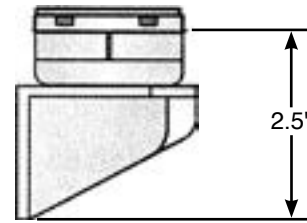
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Light Module  
(Available in  
Red, Green, or Yellow)



EXOPT191  
Light Tower  
Pole Base



EXOPT198  
Light Tower  
Backplate Mount Base

### Light Tower Bases

**Light Tower Pole Mount Base\*** (Part #: EXOPT191)..... \$195  
Includes: 19" tall light tower base. Constructed of heavy duty industrial polycarbonate, light towers are rated NEMA 4X and IP65. Light tower bases must be ordered with at least one light module.

**Light Tower Backplate Mount Base\*** (Part# EXOPT198) ..... \$195  
Includes: 2.5" tall backplate mount light tower base. Constructed of heavy duty industrial polycarbonate, light tower is rated NEMA 4X and IP65. This light tower base is attached to the 2200CW indicator backplate.

### Light Modules

**Red Light Modules (Over)\*** (Part #: EXOPT192) ..... \$290  
Includes: 2.83" tall light module with a 100,000 hour, red LED bulb.  
Constructed of heavy duty industrial polycarbonate, light module is rated NEMA 4X and IP65. 1.97" Diameter

**Green Light Modules (Accept)\*** (Part #: EXOPT193) ..... \$270  
Includes: 2.83" tall light module with a 100,000 hour, green LED bulb.  
Constructed of heavy duty industrial polycarbonate, light module is rated NEMA 4X and IP65. 1.97" Diameter

**Yellow Light Modules (Under)\*** (Part #: EXOPT194) ..... \$270  
Includes: 2.83" tall light module with a 100,000 hour, yellow LED bulb.  
Constructed of heavy duty industrial polycarbonate, light module is rated NEMA 4X and IP65. 1.97" Diameter

**Notes:**

\* This option is not field installable, call Doran Scales for more details.

**Discount level C applies to all options and replacement parts.**





# 4300 SERIES Checkweigh Scale

**Key Selling Points:**

- Includes 14" Atlas Column
- 3 or 5 Zone Checkweigh Modes
- 1000% Overload "Quad Spring" Base
- Checkweigh Indicators - OVER/ACCEPT/UNDER



**Approvals:**



NTEP Class III: Indicator (CC# 97-038A1) 10,000d - Bases (CC# 97-097A1) 5,000d  
 Measurement Canada Class III: Indicator (AM-5201) 10,000d - Bases (AM-5241) 5,000d

Model #	Pounds Cap. x Res.	Kilograms Cap. x Res.	Ounces Cap. x Res.	Base Size	Price*
4302/88	2 x 0.0005	0.9 x 0.2g	32 x 0.01	8" x 8"	\$1,380
4305/88	5 x 0.001	2.3 x 0.5g	80 x 0.02	8" x 8"	\$1,380
4310/88	10 x 0.002	4.5 x 1g	160 x 0.05	8" x 8"	\$1,380
4325/88	25 x 0.005	11.3 x 2g	400 x 0.1	8" x 8"	\$1,380
4302	2 x 0.0005	0.9 x 0.2g	32 x 0.01	10" x 10"	\$1,380
4305	5 x 0.001	2.3 x 0.5g	80 x 0.02	10" x 10"	\$1,380
4310	10 x 0.002	4.5 x 1g	160 x 0.05	10" x 10"	\$1,380
4325	25 x 0.005	11.3 x 2g	400 x 0.1	10" x 10"	\$1,380
4350	50 x 0.01	22.7 x 5g	800 x 0.2	10" x 10"	\$1,380
4350/12	50 x 0.01	22.7 x 5g	800 x 0.2	12" x 12"	\$1,520
43100/12	100 x 0.02	45 x 10g	1600 x 0.5	12" x 12"	\$1,520
4350/15	50 x 0.01	22.7 x 5g	800 x 0.2	15" x 15"	\$1,770
43100/15	100 x 0.02	45 x 10g	1600 x 0.5	15" x 15"	\$1,770
43200/15	200 x 0.05	91 x 20g	3200 x 1	15" x 15"	\$1,770
<b>*Discount level A applies to all scales in this table.</b>					

**Notes:**

- For scales calibrated to 10,000d, add SP suffix to the part number shown above. Price is the same as the 5,000d scale.
- Model 43002 and 43002/88 are not legal for trade.

### Column & Bracket Options

“Option E” Mounting Bracket (Part#: EXOPT125) ..... \$85  
 Connects indicator U-Bracket to the base to make a one-piece scale system.

**Discount level C applies to all options and replacement parts.**



# 4300 SERIES

## All Purpose Checkweigh Scale

### Key Selling Points:

- 20" Tall Atlas Column
- 3 or 5 Zone Checkweigh Modes
- Washdown Safe 304 Stainless Steel Construction
- Checkweigh Indicators - OVER/ACCEPT/UNDER



### Approvals:



NTEP Class III: Indicator (CC# 99-129A4) 10,000d - Bases (CC# 97-097A1, CC# 05-062)  
 Measurement Canada Class III: Indicator (AM-5201) 10,000d - Base (15" x 15" Only)(AM-5241) 5,000d

Model #	Pounds Cap. x Res.	Kilograms Cap. x Res.	Ounces Cap. x Res.	Base Size	Price*
APS4350/15	50 x 0.01	22.7 x 5g	800 x 0.2	15" x 15"	\$1,940
APS43100/15	100 x 0.02	45 x 10g	1600 x 0.5	15" x 15"	\$1,940
APS43200/15	200 x 0.05	91 x 20g	3200 x 1	15" x 15"	\$1,940
APS43100/18S	100 x 0.02	45 x 10g	1600 x 0.5	18" x 18"	\$2,085
APS43250/18S	250 x 0.05	113 x 20g	4000 x 1	18" x 18"	\$2,085
APS43500/18S	500 x 0.1	227 x 50g	8000 x 2	18" x 18"	\$2,085
APS43250/1824	250 x 0.05	113 x 20g	4000 x 1	18" x 24"	\$2,185
APS43500/1824	500 x 0.1	227 x 50g	8000 x 2	18" x 24"	\$2,185
APS43250/2424	250 x 0.05	113 x 20g	4000 x 1	24" x 24"	\$2,485
APS43500/2424	500 x 0.1	230 x 50g	8000 x 2	24" x 24"	\$2,485
APS431000/2424	1000 x 0.2	450 x 0.1	16000 x 5	24" x 24"	\$2,485
<b>*Discount level A applies to all scales in this table.</b>					

**PRICE DROP**  
 Now priced less than 2012 prices

### Notes:

- For scales calibrated to 10,000d, add SP suffix to the part number shown above. Price is the same as the 5,000d scale.
- Additional capacities and resolutions are available upon request for an additional \$95.00.

### Column Options

Upgrade from 20" to 30" Atlas Column (Part #: EXOPT134)..... \$175

**Discount level C applies to all options and replacement parts.**

# 4300 SERIES

## Scale Options

### Communications & Data Output Options

<b>Bluetooth Internal Communications &amp; USB Adapter*</b> (Part#: EXOPT205) .....	\$220
Includes: Internal class 1 Bluetooth communication option and one class 1 Bluetooth USB Adapter.	
<b>Internal Bluetooth Communications Only*</b> (Part#: EXOPT202) .....	\$125
Includes: Internal class 1 Bluetooth communication option	
<b>Ethernet - Wired*</b> (Part#: EXOPT101) .....	\$395
Includes: Internal Ethernet interface board with sealed RJ45 connector on the back of the scale.	
<b>Washdown Safe RJ45 Ethernet Connector Field Install Kit</b> (Part#: EXOPT150) .....	\$65
Includes: One NEMA4X connector to mate to the connector on the back of the scale. Installs on customer supplied cable. Requires a RJ45 cable crimping tool.	
<b>Ethernet - Wireless 802.11b*</b> (Part#: EXOPT102) .....	\$495
Includes: Internal Ethernet interface board and a 3.5" long flexible antenna with a NEMA4X bulkhead mount on the back of the meter.	
<b>USB Communications*</b> (Part#: EXOPT160) .....	\$195
Includes: Internal USB interface board and a sealed USB Type A connector bulkhead mounted on the back of the meter with a NEMA 4X sealing cap. For scales used in wet environment, choose one the following USB Waterproof Cables (IP67 and NEMA 4X Rated). This option can be combined with the 4-20mA Analog Output, Digital Output Board, and Internal Relay Options.	
<b>USB Waterproof Cable, 16 Feet Long (IP67 Rated)</b> (Part#: EXOPT163) .....	\$90
<b>4-20mA Analog Output (Passive or Active) Option</b> (Part#: EXOPT100) .....	\$210
Includes: Internal 4-20mA interface board (12-bit accuracy) & 12 feet of cable. This option can be combined with the RS-485 Serial Output, Digital Output Board, Internal Relay, and USB Interface Options.	
<b>Modbus/TCP*</b> (Part#: EXOPT186) .....	\$425
Includes: Internal Modbus/TCP interface board with a sealed RJ45 connector bulkhead mounted on the back of the meter with a NEMA 4X IP67 sealing cap.	
<b>Washdown Safe RJ45 Modbus/TCP Connector Field Install Kit</b> (Part#: EXOPT150) .....	\$65
Includes: One NEMA4X connector to mate to the connector on the back of the scale. Installs on customer supplied cable. Requires a RJ45 cable crimping tool.	
<b>Digital Output Board</b> (Part#: EXOPT104) .....	\$125
Includes: Six feet of 12 conductor cable. Provides 8 open collector outputs.	

**Discount level C applies to all options and replacement parts.**

**Notes:**

\* This option is not field installable, call Doran Scales for more details.

RS232 Options can not be ordered with the following options: RS485 Serial Data Output, Ethernet Wired or Wireless, USB Interface, or Bluetooth



# 4300 SERIES

## Scale Options


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### Printer Options

- Thermal Label Printer** (Part#: PRT0350-C)..... \$600  
 Thermal label printer Model LR350 includes scale to printer cable. For additional details, see the printer price page in the Printers section of this catalog.
- Impact Printer** (Part#: PRT0351-C) ..... \$600  
 Paper tape printer includes scale to printer cable.

### Relay Options - Internal

- Internal Relay Option** (Part #: EXOPT106) ..... \$255  
 Includes: Internal relay board, with sockets to accept up to four relays. Also includes an attached six foot long cable with color-coded leads. Relays can be configured as normally open or closed.

	<p><b>Notes:</b></p> <ol style="list-style-type: none"> <li>1. One or more of the following relays must be ordered with this option.</li> <li>2. The Digital Output Board Option (Part#: EXOPT104) is required unless the scale is not equipped with Wired Ethernet, Wireless Ethernet, or RS-485 Options, then the Digital Output Board Option is required.</li> </ol>
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- Mechanical Relay** (Part#: EXOPT195) ..... \$55  
 10 Amp - 250VAC/30VDC (6V Coil)
- Solid State Relay- AC** (Part#: EXOPT109)..... \$55  
 2 Amp - 100-240VAC
- Solid State Relay - DC** (Part#: EXOPT110)..... \$55  
 2 Amp - 5-48VDC

### Relay Options - External

- External Relay Option** (Part #: EXOPT107) ..... \$375  
 Includes: 10" x 7" housing with 5 volt power supply and DIN rail to accommodate up to 8 mechanical or solid state relays. Relays can be configured as normally open or closed. One or more of the following external relays must be ordered with this option.
- Mechanical Relay** with DIN mount terminal socket (Part#: EXOPT196)..... \$50  
 10 Amp - 250VAC/30VDC (6V Coil)
- Solid State Relay- AC** with DIN mount terminal socket (Part#: EXOPT112)..... \$65  
 2 Amp - 100-240VAC
- Solid State Relay - DC** with DIN mount terminal socket (Part#: EXOPT113)..... \$65  
 2 Amp - 5-48VDC

### Column and Bracket Options

- “Option E” Mounting Bracket** (Connects indicator U-Bracket to the base to make a one-piece scale system.) (Part#: EXOPT125) ..... \$85
- 14" Tall Stainless Steel Atlas Column** (Part#: EXOPT161)..... \$160
- Upgrade from 20" to 30" Atlas Column** (Part#: EXOPT134)..... \$175

**Discount level C applies to all options and replacement parts.**

# 4300 SERIES Scale Options

## Indicator Only Option

4300M Digital Weight Indicator (Part#: 4300M) ..... \$740

## Serial Data Communications Options

RS-232 Serial Data Output, 10 ft. long cable, pigtail ends<sup>1,5</sup> (Part#: EXOPT118)..... \$65

RS-232 Serial Data Output, 10 ft. long cable, 9 pin FEMALE D connector (Scale to PC Connection)<sup>1,5</sup>  
(Part #: EXOPT119) ..... \$75

RS-232 Serial Data Output, 10 ft. long cable, 9 pin MALE D connector (Scale to Printer Connection)<sup>1,5</sup>  
(Part #: EXOPT148) ..... \$75

## Load Cell Options

Stainless Steel Load Cell<sup>2</sup> (for 10" x 10" Base) (Part#: EXOPT136) ..... \$195

Stainless Steel Load Cell<sup>2</sup> (for 12" x 12" Base) (Part#: EXOPT137) ..... \$225

Stainless Steel Load Cell<sup>2</sup> (for 15" x 15" Base) (Part#: EXOPT138) ..... \$225

Stainless Steel Load Cell<sup>2</sup> (for 18" x 18", 18" x 24", or 24" x 24" Base) (May require an extended lead time.)

(100lb Capacity - Part#: EXOPT179-100LB)..... \$995 (250lb Capacity - Part#: EXOPT179-250LB) .....\$995

(500lb Capacity - Part#: EXOPT179-500LB).....\$525 (1000lb Capacity - Part#: EXOPT179-1000LB) .....\$525

## Power Options

230 VAC Operation<sup>4</sup> (For scales **without** an internal battery option) (Part#: EXOPT123) ..... \$95

230 VAC Operation<sup>4</sup> (For scales **with** an internal battery option)(Part#: EXOPT124)..... \$95

External 6-24VDC Power<sup>4</sup> (Part#: EXOPT147) ..... \$200

Includes: 2 pin in-line connector on a 6" length of cable with the mating connector attached to a 21" length of two conductor cable. Connectors have a washdown rating of IP68.



**Note:**

To ensure proper operation of any options with external DC power, call the factory to discuss your specific weighing application.

Internal Rechargeable Battery<sup>3,4,6</sup> (Part#: EXOPT149)..... \$175

**Discount level C applies to all options and replacement parts.**

**Notes:**

1. Serial data output default settings are 9600 baud, 8 bits, no parity, and one stop bit.
2. Stainless steel load cell options are not recommended for 10,000d resolution.
3. Battery life will be reduced by 80% if this option is ordered with either Ethernet - Wired Option (Part#: EXOPT101) or Ethernet - Wireless (Part#: EXOPT102). This option can not be ordered with the Internal Relay Option (Part#: EXOPT106).
4. Not field installable, call the factory for more details.
5. RS232 Options CAN NOT be ordered with the following options:

RS485 Serial Data Output (Part #: EXOPT105)	Bluetooth (Part#: EXOPT205)
Ethernet - Wired (Part #: EXOPT101)	USB Interface (Part#: EXOPT160)
Ethernet - Wireless (Part #: EXOPT102)	
6. Battery life will be reduced by 35% if this option is ordered with the Bluetooth Option (Part#: EXOPT205).



# 4300 SERIES

## Scale Options

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### Quick Disconnect Options

- Load Cell Cable Quick Disconnect - Bulkhead Mount** (IP68 Rated) (Part#: EXOPT140) ..... \$98  
8 pin bulkhead mount on the back of the indicator & the mating connector is attached to the load cell cable.
- Remote Switch Quick Disconnect - Bulkhead Mount\*** (IP68 Rated) (Part#: EXOPT141) ..... \$98  
4 pin bulkhead mount on the back of the indicator & the mating connector is attached to the remote switch cable. *Does NOT include the remote switch.*
- Serial Cable (DB9 - Female) Quick Disconnect - Bulkhead Mount\*** (IP68 Rated) (Part#: EXOPT172) ..... \$98  
6 pin bulkhead mount on the back of the indicator & the mating connector is attached to one end of a 10' long serial cable, the other end has a DB9 female connector.
- Serial Cable (DB9 - Male) Quick Disconnect - Bulkhead Mount\*** (IP68 Rated) (Part#: EXOPT174)..... \$98  
6 pin bulkhead mount on the back of the indicator & the mating connector is attached to one end of a 10' long serial cable, the other end has a DB9 male connector.

### Audible Alarm Options - Internal

1, 2, or 3 audible alarms for “Over”, “Accept”, or “Under”, varying tones and volume control - specify tone at time of order (3 maximum). Alarms are rated NEMA 4X.

Accept	Chime	(Part#: EXOPT151).....	\$125
Over	Continuous	(Part#: EXOPT152).....	\$125
Under	Warble	(Part#: EXOPT153).....	\$125

	<b>Notes:</b> <ul style="list-style-type: none"><li>- If the scale is ordered with the Internal Rechargeable Battery Option (EXOPT149), beeper options will reduce the available battery life by 50%.</li><li>- The Digital Output Board Option (Part#: EXOPT104) is required unless the scale is not equipped with Wired Ethernet, Wireless Ethernet, or RS-485 Options,</li><li>- Audible Alarm Options are NOT field installable, call factory for more details.</li></ul>
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### Remote Switch Options

- Standard Remote Switch, configured for remote **ZERO** (non-washdown) (Part #: EXOPT115)..... \$90
- Standard Remote Switch, configured for remote **PRINT** (non-washdown) (Part #: EXOPT116)..... \$90
- Standard Remote Switch, configured for remote **UNITS** (non-washdown) (Part #: EXOPT117)..... \$90

**Notes:**

- All switches include a 10 foot long cable. Dimensions of standard switch are 3-1/2" x 2-5/8" x 1"

**Notes:**

\* This option is not field installable, call Doran Scales for more details.

**Discount level C applies to all options and replacement parts.**



# 7400 SERIES

## Stainless Steel Digital Bench Scale

**Key Selling Points:**

- One Button - Easy to Operate
- 1000% Overload “Quad Spring” Base
- Washdown Safe 304 Stainless Steel Construction
- Checkweigh Indicators - OVER/ACCEPT/UNDER



**Approvals:**



NTEP Class III: Indicator (CC# 99-129A4) 10,000d - Bases (CC# 97-097A1) 5,000d

Model #	Pounds Cap. x Res.	Kilograms Cap. x Res.	Ounces Cap. x Res.	Base Size	Price*
7402/88	2 x 0.0005	0.9 x 0.2g	32 x 0.01	8" x 8"	\$1,225
7405/88	5 x 0.001	2.3 x 0.5g	80 x 0.02	8" x 8"	\$1,225
7410/88	10 x 0.002	4.5 x 1g	160 x 0.05	8" x 8"	\$1,225
7425/88	25 x 0.005	11.3 x 2g	400 x 0.1	8" x 8"	\$1,225
7402	2 x 0.0005	0.9 x 0.2g	32 x 0.01	10" x 10"	\$1,225
7405	5 x 0.001	2.3 x 0.5g	80 x 0.02	10" x 10"	\$1,225
7410	10 x 0.002	4.5 x 1g	160 x 0.05	10" x 10"	\$1,225
7425	25 x 0.005	11.3 x 2g	400 x 0.1	10" x 10"	\$1,225
7450	50 x 0.01	22.7 x 5g	800 x 0.2	10" x 10"	\$1,225
7450/12	50 x 0.01	22.7 x 5g	800 x 0.2	12" x 12"	\$1,365
74100/12	100 x 0.02	45 x 10g	1600 x 0.5	12" x 12"	\$1,365
7450/15	50 x 0.01	22.7 x 5g	800 x 0.2	15" x 15"	\$1,615
74100/15	100 x 0.02	45 x 10g	1600 x 0.5	15" x 15"	\$1,615
74200/15	200 x 0.05	91 x 20g	3200 x 1	15" x 15"	\$1,615
<b>*Discount level A applies to all scales in this table.</b>					

**Notes:**

- For scales calibrated to 10,000d, add SP suffix to the part number shown above. Price is the same as the 5,000d scale.
- Model 74002 and 74002/88 are not legal for trade

**Column & Bracket Options**

- “Option E” Mounting Bracket (Part#: EXOPT125) ..... \$85  
Connects indicator U-Bracket to the base to make a one-piece scale system.
- 14" Tall Stainless Steel Atlas Column (Part#: EXOPT161)..... \$160

**Discount level C applies to all options and replacement parts.**



# 7400 SERIES

## Stainless Steel All Purpose Scale

### Key Selling Points:

- 20" Tall Atlas Column
- One Button - Easy to Operate
- 1000% Overload "Quad Spring" Base
- Washdown Safe 304 Stainless Steel Construction
- Checkweigh Indicators - OVER/ACCEPT/UNDER

### Approvals:



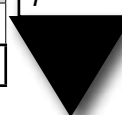
NTEP Class III: Indicator (CC# 99-129A4) 10,000d - Bases (CC# 97-097A1, CC# 05-062)



Model #	Pounds Cap. x Res.	Kilograms Cap. x Res.	Ounces Cap. x Res.	Base Size	Price*
APS7450/15	50 x 0.01	22.7 x 5g	800 x 0.2	15" x 15"	\$1,935
APS74100/15	100 x 0.02	45 x 10g	1600 x 0.5	15" x 15"	\$1,935
APS74200/15	200 x 0.05	91 x 20g	3200 x 1	15" x 15"	\$1,935
APS74100/18S	100 x 0.02	45 x 10g	1600 x 0.5	18" x 18"	\$2,080
APS74250/18S	250 x 0.05	113 x 20g	4000 x 1	18" x 18"	\$2,080
APS74500/18S	500 x 0.1	227 x 50g	8000 x 2	18" x 18"	\$2,080
APS74250/1824	250 x 0.05	113 x 20g	4000 x 1	18" x 24"	\$2,180
APS74500/1824	500 x 0.1	227 x 50g	8000 x 2	18" x 24"	\$2,180
APS74250/2424	250 x 0.05	113 x 20g	4000 x 1	24" x 24"	\$2,480
APS74500/2424	500 x 0.1	227 x 50g	8000 x 2	24" x 24"	\$2,480
APS741000/2424	1000 x 0.2	454 x 0.1	16000 x 5	24" x 24"	\$2,480
<b>*Discount level A applies to all scales in this table.</b>					

**PRICE  
DROP**

*Now  
priced  
less  
than  
2012  
prices*



### Notes:

- For scales calibrated to 10,000d, add SP suffix to the part number shown above. Price is the same as the 5,000d scale.
- Additional capacities and resolutions are available upon request for an additional \$95.00.

### Column Options

Upgrade from 20" to 30" Atlas Column (Part #: EXOPT134)..... \$175

**Discount level C applies to all options and replacement parts.**

# 7400 SERIES Scale Options

## Communications & Data Output Options

<b>Bluetooth Internal Communications &amp; USB Adapter*</b> (Part#: EXOPT205) .....	\$220
Includes: Internal class 1 Bluetooth communication option and one class 1 Bluetooth USB Adapter.	
<b>Internal Bluetooth Communications Only*</b> (Part#: EXOPT202) .....	\$125
Includes: Internal class 1 Bluetooth communication option	
<b>Ethernet - Wired*</b> (Part#: EXOPT101) .....	\$395
Includes: Internal Ethernet interface board with sealed RJ45 connector on the back of the scale.	
<b>Washdown Safe RJ45 Ethernet Connector Field Install Kit</b> (Part#: EXOPT150) .....	\$65
Includes: One NEMA4X connector to mate to the connector on the back of the scale. Installs on customer supplied cable. Requires a RJ45 cable crimping tool.	
<b>Ethernet - Wireless 802.11b*</b> (Part#: EXOPT102) .....	\$495
Includes: Internal Ethernet interface board and a 3.5" long flexible antenna with a NEMA4X bulkhead mount on the back of the meter.	
<b>USB Communications*</b> (Part#: EXOPT160) .....	\$195
Includes: Internal USB interface board and a sealed USB Type A connector bulkhead mounted on the back of the meter with a NEMA 4X sealing cap. For scales used in wet environment, choose one the following USB Waterproof Cables (IP67 and NEMA 4X Rated). This option can be combined with the 4-20mA Analog Output, Digital Output Board, and Internal Relay Options.	
<b>USB Waterproof Cable, 16 Feet Long (IP67 Rated)</b> (Part#: EXOPT163) .....	\$90
<b>4-20mA Analog Output</b> (Passive or Active) Option (Part#: EXOPT100) .....	\$210
Includes: Internal 4-20mA interface board (12-bit accuracy) & 12 feet of cable. This option can be combined with the RS-485 Serial Output, Digital Output Board, Internal Relay, and USB Interface Options.	
<b>Modbus/TCP*</b> (Part#: EXOPT186) .....	\$425
Includes: Internal Modbus/TCP interface board with a sealed RJ45 connector bulkhead mounted on the back of the meter with a NEMA 4X IP67 sealing cap.	
<b>Washdown Safe RJ45 Modbus/TCP Connector Field Install Kit</b> (Part#: EXOPT150) .....	\$65
Includes: One NEMA4X connector to mate to the connector on the back of the scale. Installs on customer supplied cable. Requires a RJ45 cable crimping tool.	
<b>Digital Output Board</b> (Part#: EXOPT104) .....	\$125
Includes: Six feet of 12 conductor cable. Provides 8 open collector outputs.	

## Serial Data Communications Options

<b>RS-232 Serial Data Output, 10 ft. long cable, pigtail ends<sup>1,5</sup></b> (Part#: EXOPT118) .....	\$65
<b>RS-232 Serial Data Output, 10 ft. long cable, 9 pin FEMALE D connector (Scale to PC Connection)<sup>1,5</sup></b> (Part #: EXOPT119) .....	\$75
<b>RS-232 Serial Data Output, 10 ft. long cable, 9 pin MALE D connector (Scale to Printer Connection)<sup>1,5</sup></b> (Part #: EXOPT148) .....	\$75

**Discount level C applies to all options and replacement parts.**

**Notes:**

\* This option is not field installable, call Doran Scales for more details.

RS232 Options can not be ordered with the following options: RS485 Serial Data Output, Ethernet Wired or Wireless, USB Interface, or Bluetooth



# 7400 SERIES

## Scale Options

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### Column and Bracket Options


“Option E” Mounting Bracket (Connects indicator U-Bracket to the base to make a one-piece scale system.) (Part#: EXOPT125) .....	\$85
14" Tall Stainless Steel Atlas Column (Part#: EXOPT161).....	\$160
Upgrade from 20" to 30" Atlas Column (Part#: EXOPT134).....	\$175

### Printer Options

Thermal Label Printer (Part#: PRT0350-C).....	\$600
Thermal label printer Model LR350 includes scale to printer cable. For additional details, see the printer price page in the Printers section of this catalog.	
Impact Printer (Part#: PRT0351-C) .....	\$600
Paper tape printer includes scale to printer cable.	

### Relay Options - Internal

Internal Relay Option (Part #: EXOPT106).....	\$255
Includes: Internal relay board, with sockets to accept up to four relays. Also includes an attached six foot long cable with color-coded leads. Relays can be configured as normally open or closed.	

	<b>Notes:</b> 1. One or more of the following relays must be ordered with this option. 2. The Digital Output Board Option (Part#: EXOPT104) is required unless the scale is not equipped with Wired Ethernet, Wireless Ethernet, or RS-485 Options, then the Digital Output Board Option is required.
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Mechanical Relay (Part#: EXOPT195) .....	\$55
10 Amp - 250VAC/30VDC (6V Coil)	
Solid State Relay- AC (Part#: EXOPT109).....	\$55
2 Amp - 100-240VAC	
Solid State Relay - DC (Part#: EXOPT110).....	\$55
2 Amp - 5-48VDC	

### Relay Options - External

External Relay Option (Part #: EXOPT107).....	\$375
Includes: 10" x 7" housing with 5 volt power supply and DIN rail to accommodate up to 8 mechanical or solid state relays. Relays can be configured as normally open or closed. One or more of the following external relays must be ordered with this option.	
Mechanical Relay with DIN mount terminal socket (Part#: EXOPT196).....	\$50
10 Amp - 250VAC/30VDC (6V Coil)	
Solid State Relay- AC with DIN mount terminal socket (Part#: EXOPT112).....	\$65
2 Amp - 100-240VAC	
Solid State Relay - DC with DIN mount terminal socket (Part#: EXOPT113).....	\$65
2 Amp - 5-48VDC	

**Discount level C applies to all options and replacement parts.**

# 7400 SERIES Scale Options

## Indicator Only Option

**7400M Digital Weight Indicator** (Part#: 7400M) ..... \$735

## Remote Switch Options

Standard Remote Switch, configured for remote **ZERO** (non-washdown) (Part #: EXOPT115)..... \$90

Standard Remote Switch, configured for remote **PRINT** (non-washdown) (Part #: EXOPT116)..... \$90

Standard Remote Switch, configured for remote **UNITS** (non-washdown) (Part #: EXOPT117)..... \$90

### Notes:

- All switches include a 10 foot long cable. Dimensions of standard switch are 3-1/2" x 2-5/8" x 1"

## Load Cell Options

**Stainless Steel Load Cell<sup>2</sup>** (for 10" x 10" Base) (Part#: EXOPT136) ..... \$195

**Stainless Steel Load Cell<sup>2</sup>** (for 12" x 12" Base) (Part#: EXOPT137) ..... \$225

**Stainless Steel Load Cell<sup>2</sup>** (for 15" x 15" Base) (Part#: EXOPT138) ..... \$225

**Stainless Steel Load Cell<sup>2</sup>** (for 18" x 18", 18" x 24", or 24" x 24" Base) (May require an extended lead time.)

(100lb Capacity - Part#: EXOPT179-100LB)..... \$995 (250lb Capacity - Part#: EXOPT179-250LB) .....\$995

(500lb Capacity - Part#: EXOPT179-500LB).....\$525 (1000lb Capacity - Part#: EXOPT179-1000LB) .....\$525

## Power Options

**230 VAC Operation<sup>4</sup>** (For scales **without** an internal battery option) (Part#: EXOPT123) ..... \$95

**230 VAC Operation<sup>4</sup>** (For scales **with** an internal battery option)(Part#: EXOPT124)..... \$95

**External 6-24VDC Power<sup>4</sup>** (Part#: EXOPT147) ..... \$200

Includes: 2 pin in-line connector on a 6" length of cable with the mating connector attached to a 21" length of two conductor cable. Connectors have a washdown rating of IP68.



### Note:

To ensure proper operation of any options with external DC power, call the factory to discuss your specific weighing application.

**Internal Rechargeable Battery<sup>3,4,6</sup>** (Part#: EXOPT149)..... \$175

**Discount level C applies to all options and replacement parts.**

### Notes:

1. Serial data output default settings are 9600 baud, 8 bits, no parity, and one stop bit.
2. Stainless steel load cell options are not recommended for 10,000d resolution.
3. Battery life will be reduced by 80% if this option is ordered with either Ethernet - Wired Option (Part#: EXOPT101) or Ethernet - Wireless (Part#: EXOPT102). This option can not be ordered with the Internal Relay Option (Part#: EXOPT106).
4. Not field installable, call the factory for more details.
5. RS232 Options CAN NOT be ordered with the following options:
  - RS485 Serial Data Output (Part #: EXOPT105)
  - USB Interface (Part#: EXOPT160)
  - Ethernet - Wired (Part #: EXOPT101)
  - Bluetooth (Part#: EXOPT205)
  - Ethernet - Wireless (Part #: EXOPT102)
6. Battery life will be reduced by 35% if this option is ordered with the Bluetooth Option (Part#: EXOPT205).



# 7400 SERIES

## Scale Options

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### Column and Bracket Options

- “Option E” Mounting Bracket (Connects indicator U-Bracket to the base to make a one-piece scale system.)  
(Part#: EXOPT125) ..... \$85
- 14" Tall Stainless Steel Atlas Column (Part#: EXOPT161)..... \$160
- Upgrade from 20" to 30" Atlas Column (Part#: EXOPT134)..... \$175
- Upgrade from 20" to 40" Atlas Column (Part#: EXOPT207)..... \$275


### Quick Disconnect Options

- Load Cell Cable Quick Disconnect - Bulkhead Mount\*** (IP68 Rated) (Part#: EXOPT140)..... \$98  
8 pin bulkhead mount on the back of the indicator & the mating connector is attached to the load cell cable.
- Remote Switch Quick Disconnect - Bulkhead Mount\*** (IP68 Rated) (Part#: EXOPT141) ..... \$98  
4 pin bulkhead mount on the back of the indicator & the mating connector is attached to the remote switch cable. *Does NOT include the remote switch.*
- Serial Cable (DB9 - Female) Quick Disconnect - Bulkhead Mount\*** (IP68 Rated) (Part#: EXOPT172) ..... \$98  
6 pin bulkhead mount on the back of the indicator & the mating connector is attached to one end of a 10' long serial cable, the other end has a DB9 female connector.
- Serial Cable (DB9 - Male) Quick Disconnect - Bulkhead Mount\*** (IP68 Rated) (Part#: EXOPT174)..... \$98  
6 pin bulkhead mount on the back of the indicator & the mating connector is attached to one end of a 10' long serial cable, the other end has a DB9 male connector.

### Audible Alarm Options - Internal

1, 2, or 3 audible alarms for “Over”, “Accept”, or “Under”, varying tones and volume control - specify tone at time of order (3 maximum). Alarms are rated NEMA 4X.

Accept	Chime	(Part#: EXOPT151).....	\$125
Over	Continuous	(Part#: EXOPT152).....	\$125
Under	Warble	(Part#: EXOPT153).....	\$125

	<b>Notes:</b> <ul style="list-style-type: none"><li>- If the scale is ordered with the Internal Rechargeable Battery Option (EXOPT149), beeper options will reduce the available battery life by 50%.</li><li>- The Digital Output Board Option (Part#: EXOPT104) is required unless the scale is not equipped with Wired Ethernet, Wireless Ethernet, or RS-485 Options, then the Digital Output Board Option is required.- Audible Alarm Options are NOT field installable, call factory for more details.</li></ul>
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### Push Button Options

- External UNITS Push Button (Part #: EXOPT181)..... \$125
- External PRINT Push Button (Part #: EXOPT182)..... \$125

**Notes:**

\* This option is not field installable, call Doran Scales for more details.

**Discount level C applies to all options and replacement parts.**

# MVP SERIES

## Mild Steel General Purpose Scale

### Key Selling Points:

- Cost Effective General Purpose Bench Scale
- Bright and Easy to Read LED Display
- NTEP Approved, Legal for Trade at 5,000d
- Extremely Durable Construction



### Approvals:



NTEP Class III: Indicator (CC# 05-061) 5,000d - Bases (CC# 05-062) 5,000d

Model #	Pounds Cap. x Res.	Kilograms Cap. x Res.	Ounces Cap. x Res.	Base Size	Price*
MVP3100	100 x 0.02	45 x 10g	1600 x 0.5	18" x 18"	\$915
MVP3250	250 x 0.05	113 x 20g	4000 x 1	18" x 18"	\$915
MVP4250	250 x 0.05	113 x 20g	4000 x 1	18" x 24"	\$995
MVP4500	500 x 0.1	227 x 50g	8000 x 2	18" x 24"	\$995
MVP5250	250 x 0.05	113 x 20g	4000 x 1	24" x 24"	\$1,115
MVP5500	500 x 0.1	227 x 50g	8000 x 2	24" x 24"	\$1,115
MVP51000	1000 x 0.2	454 x 100g	16000 x 5	24" x 24"	\$1,115
<b>*Discount level A applies to all scales in this table.</b>					

**PRICE  
DROP**

*Now  
priced  
less  
than  
2012  
prices*

### Notes:

- For scales calibrated to 10,000d, add SP suffix to the part number shown above.

# MVP SERIES

## Mild Steel General Purpose Scale

### Key Selling Points:

- Cost Effective General Purpose Bench Scale
- Bright and Easy to Read LED Display
- NTEP Approved, Legal for Trade at 5,000d
- Extremely Durable Construction

### Approvals:



NTEP Class III: Indicator (CC# 05-061) 5,000d - Bases (CC# 05-062)



MVP Scale  
with 20" Tall Column



MVP Scale  
with 36" Tall Column

MVP Scale With 20" Tall Mild Steel Column					
Model #	Pounds Cap. x Res.	Kilograms Cap. x Res.	Ounces Cap. x Res.	Base Size	Price*
MVP3100-20	100 x 0.02	45 x 10g	1600 x 0.5	18" x 18"	\$1,040
MVP3250-20	250 x 0.05	113 x 20g	4000 x 1	18" x 18"	\$1,040
MVP4250-20	250 x 0.05	113 x 20g	4000 x 1	18" x 24"	\$1,120
MVP4500-20	500 x 0.1	227 x 50g	8000 x 2	18" x 24"	\$1,120
MVP5250-20	250 x 0.05	113 x 20g	4000 x 1	24" x 24"	\$1,240
MVP5500-20	500 x 0.1	227 x 50g	8000 x 2	24" x 24"	\$1,240
MVP51000-20	1000 x 0.2	454 x 100g	16000 x 5	24" x 24"	\$1,240
<b>*Discount level A applies to all scales in this table.</b>					

**PRICE  
DROP**

*Now  
priced  
less  
than  
2012  
prices*

MVP Scale With 36" Tall Mild Steel Column					
Model #	Pounds Cap. x Res.	Kilograms Cap. x Res.	Ounces Cap. x Res.	Base Size	Price*
MVP3100-36	100 x 0.02	45 x 10g	1600 x 0.5	18" x 18"	\$1,065
MVP3250-36	250 x 0.05	113 x 20g	4000 x 1	18" x 18"	\$1,065
MVP4250-36	250 x 0.05	113 x 20g	4000 x 1	18" x 24"	\$1,145
MVP4500-36	500 x 0.1	227 x 50g	8000 x 2	18" x 24"	\$1,145
MVP5250-36	250 x 0.05	113 x 20g	4000 x 1	24" x 24"	\$1,265
MVP5500-36	500 x 0.1	227 x 50g	8000 x 2	24" x 24"	\$1,265
MVP51000-36	1000 x 0.2	454 x 100g	16000 x 5	24" x 24"	\$1,265
<b>*Discount level A applies to all scales in this table.</b>					

**PRICE  
DROP**

*Now  
priced  
less  
than  
2012  
prices*

### Notes:

- For scales calibrated to 10,000d, add SP suffix to the part number shown above. Price is the same as the 5,000d scale.
- Additional capacities and resolutions are available upon request for an additional \$95.00.

**Discount level C applies to all options and replacement parts.**

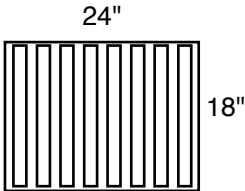


# MVP SERIES

## Scale Options

**Roller Conveyor Option - 18" x 18" Scale Base** (Part#: DMSOPT05) ..... \$300  
 Includes: Painted mild steel rails with six 1.9" diameter galvanized rollers on 3" centers.  
 Roller weight capacity is 250lb PER ROLLER for all roller conveyor options.

**Roller Conveyor Option - 18" x 24" Scale Base** (Part#: DMSOPT07) ..... \$300  
 Includes: Painted mild steel rails with eight 1.9" diameter galvanized rollers on 3" centers. Total roller conveyor option height is 3.875" for all conveyor options.  
 This size is not in stock, please call for lead time.



**Roller Conveyor Option - 24" x 24" Scale Base** (Part#: DMSOPT04) ..... \$300  
 Includes: Painted mild steel rails with eight 1.9" diameter galvanized rollers on 3" centers. Total roller conveyor option height is 3.875" for all conveyor options. This size is not in stock, please call for lead time.

**Ball Transfer Option - 18" x 18" Scale Base** (Part#: DMSOPT09) ..... \$500  
 Includes: Twenty mild steel roller balls flange mounted on the 18" x 18" platter.  
 Height of ball transfer is 1.187". Maximum weight capacity is 75lb per ball.

**Ball Transfer Option - 18" x 24" Scale Base** (Part#: DMSOPT10) ..... \$500  
 Includes: Twenty mild steel roller balls flange mounted on the 18" x 24" platter.  
 Height of ball transfer is 1.187". Maximum weight capacity is 75lb per ball.

**Ball Transfer Option - 24" x 24" Scale Base** (Part#: DMSOPT06) ..... \$500  
 Includes: Twenty mild steel roller balls flange mounted on the 24" x 24" platter.  
 Height of ball transfer is 1.187". Maximum weight capacity is 75lb per ball.

**Mobility Kit** (Part#: MVPOPT001) ..... \$75  
 Includes:  
 - Four 3" Diameter Locking Swivel Casters (Hard Rubber)  
 - Casters add 4" in height, for a total base height of 8.875"

**RS-232 Serial Data Output - Scale to PC** (Part#: DSOPT001) ..... \$35  
 Includes: 4 wire shielded cable, 10 ft., with a 9 pin FEMALE "D" connector.

**230VAC Operation** (Part#: DSOPT003) ..... \$25

**Stainless Steel Platter - 18" x 18"** (Part#: MVPOPT004) ..... \$150

**Stainless Steel Platter - 18" x 24"** (Part#: MVPOPT003) ..... \$175

**Stainless Steel Platter - 24" x 24"** (Part#: MVPOPT002) ..... \$200

**Discount level C applies to all options and replacement parts.**





## General Purpose Digital Weight Indicator

### Key Selling Points:

- Cost Effective General Purpose Digital Weight Indicator
- Bright and Easy to Read LED Display
- Compact Case Design
- Drives up to Four Load Cells



### Approvals:



NTEP Class III: Indicator (CC# 05-061) 5,000d

**Part #: DS100**  
**\$320 (A)**

<b>Capacity:</b>	User definable from 1 to 99,999 lb
<b>Resolution:</b>	User definable from 100 to 12,500d
<b>Units:</b>	lb, oz, kg, g, or lb:oz
<b>Calibration:</b>	As little as 5% of full capacity required for calibration; Front panel calibration assures easy field calibration & setup.
<b>Functions:</b>	ZERO, GROSS/NET, TARE, UNITS, PRINT
<b>Mounting:</b>	U-Bracket for wall, table or under shelf mount.
<b>Power:</b>	115 VAC, 50/60 HZ DSOPT003 - 230 VAC Operation DSOPT004 - External 12 VDC Operation
<b>User Set Up:</b>	User friendly setup menu and front panel calibration.
<b>Load Cells:</b>	Drives up to Four (4) 350 ohm load cells
<b>Options:</b>	230 VAC Operation and RS-232 Cables See MVP Series Section for Pricing
<b>Input/Output:</b>	Bi-directional RS-232 standard
<b>Approvals:</b>	NTEP, Class III, 5,000 divisions
<b>Warranty:</b>	One Year Parts & Labor



# DMS SERIES Painted Steel Bases

**Key Selling Points:**

- Cost Effective General Purpose Scale Base
- All Square Tube Construction
- NTEP Approved, Legal for Trade at 5,000d
- Heavy Gauge Steel Construction



**Approvals:**



NTEP Class III: (CC# 05-062) 5,000d

Model #	Capacity	Base Size	Price*
DMS3100	100lb / 45kg / 1600oz	18" x 18"	\$595
DMS3250	250lb / 113kg / 4000oz	18" x 18"	\$595
DMS4250	250lb / 113kg / 4000oz	18" x 24"	\$675
DMS4500	500lb / 227kg / 8000oz	18" x 24"	\$675
DMS5250	250lb / 113kg / 4000oz	24" x 24"	\$795
DMS5500	500lb / 227kg / 8000oz	24" x 24"	\$795
DMS51000	1000lb / 454kg / 16000oz	24" x 24"	\$795
<b>*Discount level A applies to all scale bases in this table.</b>			

**PRICE  
DROP**

*Now  
priced  
less  
than  
2012  
prices*

**Notes:**

- Additional capacities and resolutions are available upon request for an additional \$95.00.

### Mild Steel Base Options

<b>Mobility Kit (Part#: DMSOPT01)</b> .....	\$200
Includes:	
- Four 3" diameter locking swivel casters (Hard Rubber)	
- 36" Tall painted steel column with handles and indicator mounting plate. The indicator mounting plate accepts the DS100 indicator as well as our standard digital weight indicators.	
- Casters add 4" in height, for a total base height of 8.875".	
<b>Tall Painted Steel Column (Part#: DMSOPT02)</b> .....	\$150
36" Tall - Top of platter to the middle of the indicator.	
<b>Short Painted Steel Column (Part#: DMSOPT03)</b> .....	\$125
20" Tall - Top of platter to the middle of the indicator.	
<b>FM Approved Load Cell (Part#:DMSOPTFM)</b> .....	\$125
<b>Stainless Steel Platter - 18" x 18" (Part#: MVPOPT004)</b> .....	\$150
<b>Stainless Steel Platter - 18" x 24" (Part#: MVPOPT003)</b> .....	\$175
<b>Stainless Steel Platter - 24" x 24" (Part#: MVPOPT002)</b> .....	\$200

*Additional DMS options are on the following page.*

**Discount level C applies to all options and replacement parts.**



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**Effective March 30, 2013**

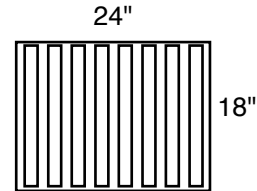
# DMS SERIES

## Painted Steel Bases Options

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**Roller Conveyor Option - 18" x 18" Scale Base** (Part#: DMSOPT05) ..... \$300  
Includes: Painted mild steel rails with six 1.9" diameter galvanized rollers on 3" centers.  
Roller weight capacity is 250lb PER ROLLER for all roller conveyor options.

**Roller Conveyor Option - 18" x 24" Scale Base** (Part#: DMSOPT07) ..... \$300  
Includes: Painted mild steel rails with eight 1.9" diameter galvanized rollers on 3" centers. Total roller conveyor option height is 3.875" for all conveyor options.  
This size is not in stock, please call for lead time.



**Roller Conveyor Option - 24" x 24" Scale Base** (Part#: DMSOPT04) ..... \$300  
Includes: Painted mild steel rails with eight 1.9" diameter galvanized rollers on 3" centers. Total roller conveyor option height is 3.875" for all conveyor options. This size is not in stock, please call for lead time.

**Ball Transfer Option - 18" x 18" Scale Base** (Part#: DMSOPT09) ..... \$500  
Includes: Twenty mild steel roller balls flange mounted on the 18" x 18" platter.  
Height of ball transfer is 1.187". Maximum weight capacity is 75lb per ball.

**Ball Transfer Option - 18" x 24" Scale Base** (Part#: DMSOPT10) ..... \$500  
Includes: Twenty mild steel roller balls flange mounted on the 18" x 24" platter.  
Height of ball transfer is 1.187". Maximum weight capacity is 75lb per ball.

**Ball Transfer Option - 24" x 24" Scale Base** (Part#: DMSOPT06) ..... \$500  
Includes: Twenty mild steel roller balls flange mounted on the 24" x 24" platter.  
Height of ball transfer is 1.187". Maximum weight capacity is 75lb per ball.

**Discount level C applies to all options and replacement parts.**

# PC-400 SERIES

## Stainless Steel Portion Control Scale

**Key Selling Points:**

- “Quad Spring” Shockproof Base
- Rechargeable Battery/AC Power - Standard
- Stainless Steel Case and Platter
- LB, KG, G, OZ, or LB:OZ Display



**Approvals:**



NTEP Class III: (CC# 04-039A1)



AC Adapter

Not a Washdown Product - Wipedown Only

Model #	Pounds Cap. x Res.	Grams Cap. x Res.	Ounces Cap. x Res.	Platter Size	Price*
PC400-02	2.2 x 0.0002	1000 x 0.1	35 x 0.005	6.5" x 6.5"	\$335
PC400-02LFT	2.2 x 0.001	1000 x 0.5	35 x 0.02	6.5" x 6.5"	\$335
PC400-05	5 x 0.002	2300 x 1	80 x 0.05	6.5" x 6.5"	\$335
PC400-10	10 x 0.005	4500 x 2	160 x 0.1	6.5" x 6.5"	\$335
PC400-20	20 x 0.01	9100 x 5	320 x 0.2	6.5" x 6.5"	\$335
<b>*Discount level A applies to all scales in this table.</b>					

**Note:**

- Model PC400-02 is Not Legal for Trade.

### PC-400 Options


**230 VAC Operation** (Part#: PCOPT06)..... \$25  
Includes: European transformer 220 VAC/50Hz Input

**RS-232 cable with 9 pin female connector and phono jack scale connector** (Part#: PCOPT05)..... \$15


### PC-400 Replacement Parts

**Replacement Rechargeable Battery Pack** (Part#: BAT0013)..... \$35

**AC Adapter - Positive Center (115 VAC - 6' Cord, UL/CSA Listed)** (Part#: XFR0039)..... \$40  
(For scales with serial numbers higher than NPC403000)

Positive Center            Original transformer has this symbol on the label.

**AC Adapter - Negative Center (115 VAC - 6' Cord, UL/CSA Listed)** (Part#: XFR0035) ..... \$40  
(For scales with serial numbers lower than NPC403000)

Negative Center            Original transformer has this symbol on the label.

**Platter 6.5" x 6.5" Stainless Steel** (Part#: ENC0804)..... \$45

**Foot Assembly Set** (Set of 4 Feet) (Part#: SUB0531)..... \$20

**Discount level C applies to all options and replacement parts.**







# PC-500 SERIES

## Washdown Safe Portion Control Scale

### Key Selling Points:

- Washdown Safe IP66
- “Quad Spring” Shockproof Base
- Battery Operated - Alkaline Batteries  
1,000 Hr. Battery Life
- LB, KG, G, OZ, LB:OZ Display



The Rear 0.66" Tall LCD Customer Display

### Approvals:



NTEP Class III: (CC# 09-032)



AC Adapter



Without Customer Display					
Model #	Pounds Cap. x Res.	Kilograms Cap. x Res.	Ounces Cap. x Res.	Platter Size	Price*
PC500-05	5 x 0.002	2.2 x 0.001	80 x 0.05	8.5" x 8.5"	\$425
PC500-10	10 x 0.005	4.5 x 0.002	160 x 0.1	8.5" x 8.5"	\$425
PC500-25	25 x 0.01	11.3 x 0.005	400 x 0.2	8.5" x 8.5"	\$425
PC500-50	50 x 0.02	22.7 x 0.01	800 x 0.5	8.5" x 8.5"	\$425
<b>*Discount level A applies to all scales in this table.</b>					

With Customer Display					
Model #	Pounds Cap. x Res.	Kilograms Cap. x Res.	Ounces Cap. x Res.	Platter Size	Price*
PC500-C05	5 x 0.002	2.2 x 0.001	80 x 0.05	8.5" x 8.5"	\$450
PC500-C10	10 x 0.005	4.5 x 0.002	160 x 0.1	8.5" x 8.5"	\$450
PC500-C25	25 x 0.01	11.3 x 0.005	400 x 0.2	8.5" x 8.5"	\$450
PC500-C50	50 x 0.02	22.7 x 0.01	800 x 0.5	8.5" x 8.5"	\$450
<b>*Discount level A applies to all scales in this table.</b>					

### PC-500 Options

<b>AC Adapter - 115 VAC Operation*</b> (Part#: PC5OPT01) .....	\$42
<b>AC Adapter - 230 VAC Operation*</b> (Part#: PC5OPT02) .....	\$42
<b>RS-232 Cable with 9 pin Female Connector*</b> (Part#: PC5OPT03).....	\$15
<b>Washdown Safe Remote ZERO Switch (Rated IP68)</b> (Part#: PC5OPT04).....	\$150
<b>Non-washdown Safe Remote ZERO Switch</b> (Part#: PC5OPT05) .....	\$85

\*When using these options, the scale may have reduced washdown protection. Refer to the product manual for proper installation.

**Discount level C applies to all options and replacement parts.**



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Effective March 30, 2013



# 8000IS SERIES

## Intrinsically Safe Indicator System



**Key Selling Points:**

- FM Approved for All Classes, Divisions, and Groups
- Use With Doran Scale Base or Compatible FM Load Cell
- Battery or AC Line Powered
- Safe Area Battery Recharge

**Approvals:**



FM approved - Class I, II, III; Division 1, 2  
Groups A-G



NTEP Class III: (CC# 89-051A1) 3,000d  
Measurement Canada Class III: (S. WA 4406) 6,000d

## 8000IS Rechargeable Battery Power System

**8000IS Rechargeable Battery Powered System (Part#: 8000IS)..... \$1,840**

Includes:

- (1) Model 8000MIS Digital Weight Indicator
- (1) Model 8000BIS 100 Hour Rechargeable Battery Pack
- (1) Model 8000CIS Safe Area Battery Charger

**Notes:**

- Use with any Doran base or load cells FM Approved for use with the 8000IS system indicators - See next page or Control Drawing #02-88060
- It is recommended to have a second battery pack on charge so that no downtime is incurred when a battery in use wears down.
- When using the 8000IS Battery Power System with multiple load cell bases, 1000 ohm load cells are recommended.

## 8000ISAC AC Line Powered System

**8000IS AC Line Powered System (Part#: 8000ISAC) ..... \$1,895**

Includes:

- (1) Model 8000MIS Digital Weight Indicator
- (1) Model 8000AIS AC Power Supply Module
- (1) Part #8000IS-004 24" long cable to connect 8000AIS to 8000MIS

**Note:**

- Use with any Doran base or load cells FM Approved for use with the 8000IS system indicators - See next page or Control Drawing #02-88060

### 8000IS Components

**8000MIS Digital Weight Indicator (Part#: 8000MIS).....\$1,195 (A)**  
**8000BIS Rechargeable Battery Pack (Part#: 8000BIS) ..... \$595 (C)**  
**8000CIS Battery Charger - Safe Area Use Only (Part#: 8000CIS)..... \$245 (C)**  
**8000AIS AC Power Supply Module (Part#: 8000AIS) ..... \$895 (C)**  
**24" Long Adapter Cable with Connectors Attached (Connects 8000AIS to 8000MIS) (Part#: 8000IS-004)... \$95 (C)**

Discount level C applies to all options and replacement parts.



# 8000IS SERIES

## Approved Load Cells

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### Approved Load Cells for Use With 8000MIS

<u>Tedea</u>	<u>Sensortronics</u>	<u>Revere</u>	<u>Revere</u>	<u>HBM</u>	<u>HBM</u>	<u>Doran</u>
1040	60001	363	BSP	C1	BBS	1022
1140	60050	9363	5123	C3H...	BLC	1040
1250	60036	263D	5103	C2	HLC	1042
1450	60023 (Tool Steel)	SSB	9103	C6...	JRT	1250
1030	60023 (S.S.)	S123	5102	U1...	RSC	1260
1130	65058	9123	6762	U2A	SB3	
1010	65040	692B	CP	Z6...	TWM	
1015	65023 (Tool Steel)	92	GOZINTA	PW...	Z8...	
3410	60040	93	USP	USB	SBF	
3411	60030	62H	662A	PLC	BLF	<b>Flintec</b>
3420	60018	63H	5222	PWS		Series PC
3421	60051	42	5423			Series SB
9010	60048 (Tool Steel)	43	392C			Series RC
1035	65024	462				SB14
1038	65059	HPS				SB15
1048	65061	5723				SLB
1240	60003	5223				PC6
1241	60045	652				RC2
1000 Series	60048	HSP				PC2
3400 Series	65083S					PBX-G
620						
355						

#### **Notes:**

1. Load cells to be Factory Mutual Approved.
2. Load cells to be 350 ohm or greater only.
3. No components are to be used for trimming or connection purposes, see Note 5 for exceptions. (i.e. no resistors, capacitors, inductors, potentiometers, etc.)
4. Doran Scales 8000MIS approval valid only when used in accordance with drawing no. 88060
5. A zero offset resistor of 50K ohm or greater may be placed between +/- signal and +/- excitation to provide zero load compensation. The resistor must be a 1/8 watt or greater, 25 ppm, 1% tol., metal film resistor.

(Source: 8000IS Control Drawing - #02-88050 Rev. 10 dated 2/24/98)

# 8000IS SERIES

## Intrinsically Safe Bench Scales

### Key Selling Points:

- FM Approved for All Classes, Divisions, and Groups
- 1000% Overload Scale Base
- Battery or AC Line Powered
- Complete Weighing System - Indicator, Rechargeable Battery, Scale Base, and Charger



### Approvals:



FM approved - Class I, II, III; Division 1, 2 Groups A-G



NTEP Class III: Indicator (CC# 89-051A1) 3,000d - Bases (CC# 97-097A1 or 05-062) 5,000d

Measurement Canada: Indicator (S. WA-4406) 6,000d - Base (8" x 8" to 15" x 15" Only)(CC# AM-5241) 5,000d

Model #	Pounds Cap. x Res.	Kilograms Cap. x Res.	Ounces Cap. x Res.	Base Size	Price*
8005IS/88	5 x 0.002	2.3 x 1g	80 x 0.05	8" x 8"	\$2,385
8015IS/88	15 x 0.005	6.8 x 2g	240 x 0.1	8" x 8"	\$2,385
8030IS/88	30 x 0.01	13.6 x 5g	480 x 0.2	8" x 8"	\$2,385
8005IS	5 x 0.002	2.3 x 1g	80 x 0.05	10" x 10"	\$2,385
8015IS	15 x 0.005	6.8 x 2g	240 x 0.1	10" x 10"	\$2,385
8030IS	30 x 0.01	13.6 x 5g	480 x 0.2	10" x 10"	\$2,385
8060IS	60 x 0.02	27 x 10g	960 x 0.5	12" x 12"	\$2,525
8100IS	100 x 0.05	45 x 20g	1600 x 1	12" x 12"	\$2,525
8060IS/15	60 x 0.02	27 x 10g	960 x 0.5	15" x 15"	\$2,735
8100IS/15	100 x 0.05	45 x 20g	1600 x 1	15" x 15"	\$2,735
8200IS/15	200 x 0.1	91 x 50g	3200 x 2	15" x 15"	\$2,735

**\*Discount level A applies to all scales in this table.**

### Notes:

- For AC Version, add \$55 to the list prices shown above.
- Larger bases are available, call factory for pricing and availability.
- For scales calibrated to 5,000d, add P suffix to the part number shown above.

### 8000IS Components

8000MIS Digital Weight Indicator (Part#: 8000MIS).....	\$1,195 (A)
8000BIS Rechargeable Battery Pack (Part#: 8000BIS) .....	\$595 (C)
8000CIS Battery Charger - Safe Area Use Only (Part#: 8000CIS).....	\$245 (C)
8000AIS AC Power Supply Module (Part#: 8000AIS) .....	\$895 (C)
24" Long Adapter Cable with Connectors Attached (Connects 8000AIS to 8000MIS) (Part#: 8000IS-004)...	\$95 (C)

**Discount level C applies to all options and replacement parts.**





# Digital Weight Indicators

## Options Guide

		2200	2200CW	7000XL	7400	4300	8000XL
<i>Communications &amp; Data Output</i>							
<b>Internal Bluetooth Communications Only</b> EXOPT202	\$125	✓	✓	✓	✓	✓	✓
<b>Bluetooth Internal Communications &amp; USB Adapter</b> EXOPT205	\$220	✓	✓	✓	✓	✓	✓
<b>Ethernet - Wired</b> EXOPT101	\$395	✓	✓	✓	✓	✓	✓
<b>Washdown Safe RJ45 Ethernet Connector Field Install Kit</b> EXOPT150	\$65	✓	✓	✓	✓	✓	✓
<b>Ethernet - Wireless 802.11b</b> EXOPT102	\$495	✓	✓	✓	✓	✓	✓
<b>USB Interface</b> EXOPT160	\$195	✓	✓	✓	✓	✓	✓
<b>USB Waterproof Cable, 16 Feet Long (IP67)</b> EXOPT163	\$90	✓	✓	✓	✓	✓	✓
<b>4-20mA Analog Output</b> EXOPT100	\$210	✓	✓	✓	✓	✓	✓
<b>Digital Output Board</b> EXOPT104	\$125	*	*	✓	✓	✓	✓
<b>Modbus/TCP</b> EXOPT186	\$425	✓	✓	✓	✓	✓	✓
<b>Washdown Safe RJ45 Modbus/TCP Connector Field Install Kit</b> EXOPT150	\$65	✓	✓	✓	✓	✓	✓
<i>Serial Data Communications</i>							
<b>RS-232 Cable (Pigtail Ends)</b> EXOPT118	\$65	✓	✓	✓	✓	✓	✓
<b>RS-232 Cable (9 Pin Female)</b> EXOPT119	\$75	✓	✓	✓	✓	✓	✓
<b>RS-232 Cable (9 Pin Male)</b> EXOPT148	\$75	✓	✓	✓	✓	✓	✓

\* The digital output board is included in the 2200 and 2200CW indicators.

**Discount level C applies to all options and replacement parts.**



# Digital Weight Indicators

## Options Guide

		2200	2200CW	7000XL	7400	4300	8000XL
<i>Relay Options - External</i>							
<b>External Relay Option Accommodates up to 8 Relays</b> EXOPT107	\$375	✓	✓	✓	✓	✓	✓
<b>Mechanical Relay 10 Amp 250 VAC/30VDC</b> EXOPT196	\$50	✓	✓	✓	✓	✓	✓
<b>Solid State Relay - AC</b> EXOPT112	\$65	✓	✓	✓	✓	✓	✓
<b>Solid State Relay - DC</b> EXOPT113	\$65	✓	✓	✓	✓	✓	✓
<i>Relay Options - Internal</i>							
<b>Internal Relay Option Board</b> EXOPT106	\$255	✓	✓	✓	✓	✓	✓
<b>Mechanical Relay (10 AMP - 250VAC/30VDC)</b> EXOPT195	\$55	✓	✓	✓	✓	✓	✓
<b>Solid State Relay - AC (2 AMP - 100-240VAC)</b> EXOPT109	\$55	✓	✓	✓	✓	✓	✓
<b>Solid State Relay - DC (2 AMP - 5-48VDC)</b> EXOPT110	\$55	✓	✓	✓	✓	✓	✓
<i>Audible Alarm Options - Internal</i>							
<b>Audible Alarm - Accept (Chime Tone)</b> EXOPT151	\$125	✓	✓	✓	✓	✓	✓
<b>Audible Alarm - Over (Continuous Tone)</b> EXOPT152	\$125	✓	✓	✓	✓	✓	✓
<b>Audible Alarm - Under (Warble Tone)</b> EXOPT153	\$125	✓	✓	✓	✓	✓	✓
<i>Barcode Scanners</i>							
<b>Model QS2500 Barcode Scanner</b> EXOPT178	\$545	✓	✓				
<b>Model PS7000 Heavy Duty Scanner</b> EXOPT177	\$1,045	✓	✓				
<i>Power Options</i>							
<b>230 VAC (Scales without Internal Battery)</b> EXOPT123	\$95	✓	✓	✓	✓	✓	✓
<b>230 VAC (Scales with Internal Battery)</b> EXOPT124	\$95	✓	✓	✓	✓	✓	✓
<b>External DC Power (6-24VDC)</b> EXOPT147,147B,147C	\$200	✓	✓	✓	✓	✓	✓
<b>Internal Rechargeable Battery Power</b> EXOPT149,187,199	\$175	✓	✓	*	✓	✓	

\* Order the 8000XLM if your customer needs a digital weight indicator with the functions of the 7000XL, but powered by an internal rechargeable battery.

Discount level C applies to all options and replacement parts.



# Digital Weight Indicators

## Options Guide

		2200	2200CW	7000XL	7400	4300	8000XL
<i>Remote Switch Options</i>							
<b>Remote ZERO Switch (Not Washdown)</b> EXOPT115	\$90	✓	✓	✓	✓	✓	✓
<b>Remote PRINT Switch (Not Washdown)</b> EXOPT116	\$90	✓	✓	✓	✓	✓	✓
<b>Remote UNITS Switch (Not Washdown)</b> EXOPT117	\$90	✓	✓	✓	✓	✓	✓
<i>Light Tower Options</i>							
<b>Light Tower Pole Mount Base</b> EXOPT191	\$195	✓	✓			✓	
<b>Light Tower Backplate Mount Base</b> EXOPT198	\$195	✓	✓			✓	
<b>Red Light Module (Over)</b> EXOPT192	\$290	✓	✓			✓	
<b>Green Light Module (Accept)</b> EXOPT193	\$270	✓	✓			✓	
<b>Yellow Light Module (Under)</b> EXOPT194	\$270	✓	✓			✓	
<i>Quick Disconnect Options</i>							
<b>Load Cell Quick Disconnect Bulkhead Mount IP68</b> EXOPT140	\$98	✓	✓	✓	✓	✓	✓
<b>Remote Switch Quick Disconnect Bulkhead Mount IP68</b> EXOPT141	\$98	✓	✓	✓	✓	✓	✓
<b>Serial Cable Quick Disconnect - Female 9 Pin Connector Bulkhead Mount IP68</b> EXOPT172	\$98	✓	✓	✓	✓	✓	✓
<b>Serial Cable Quick Disconnect - Male 9 Pin Connector Bulkhead Mount IP68</b> EXOPT174	\$98	✓	✓	✓	✓	✓	✓
<i>Printer Options</i>							
<b>Thermal Label Printer with Scale to Printer Cable</b> PRT0350-C	\$600	✓	✓	✓	✓	✓	✓
<b>Impact Paper Tape Printer with Scale to Printer Cable</b> PRT0351-C	\$600	✓	✓	✓	✓	✓	✓

Discount level C applies to all options and replacement parts.



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**General Purpose Digital Weight Indicator**

**Key Selling Points:**

- Cost Effective General Purpose Digital Weight Indicator
- Bright and Easy to Read LED Display
- Compact Case Design
- Drives up to Four Load Cells



**Approvals:**



NTEP Class III: Indicator (CC# 05-061) 5,000d

**Part #: DS100**

**\$320**

**(A)**

- Capacity:** User definable from 1 to 99,999 lb
- Resolution:** User definable from 100 to 12,500d
- Units:** lb, oz, kg, g, or lb:oz
- Calibration:** As little as 5% of full capacity required for calibration; Front panel calibration assures easy field calibration & setup.
- Functions:** ZERO, GROSS/NET, TARE, UNITS, PRINT
- Mounting:** U-Bracket for wall, table or under shelf mount.
- Power:** 115 VAC, 50/60 HZ  
 DSOPT003 - 230 VAC Operation..... \$25  
 DSOPT004 - External 12 VDC Operation.....\$95
- User Set Up:** User friendly setup menu and front panel calibration.
- Load Cells:** Drives up to Four (4) 350 ohm load cells
- Options:** 230 VAC Operation and RS-232 Cables  
 See MVP Series Section for Pricing
- Input/Output:** Bi-directional RS-232 standard
- Approvals:** NTEP, Class III, 5,000 divisions
- Warranty:** One Year Parts & Labor

**Discount level C applies to all options and replacement parts.**



# 2200

## Advanced Scale Indicator

### Key Selling Points:

- Full Function Keypad
- Eight Product ID's, Setpoint Outputs, and Grade Values
- Washdown Safe
- Versatile and Easy to Use

### Approvals:



NTEP Class III: (CC# 06-101) 10,000d  
 Measurement Canada Class III: (AM-5617) 10,000d



**Part #: 2200**  
**\$750**  
**(A)**

- Capacity:** User definable from 1 to 999,999 lb
- Resolution:** User definable from 100 to 45,000d
- Units:** lb, oz, kg, g, or lb:oz
- Calibration:** As little as 2% of full scale required for calibration.
- Functions:** TARE, GROSS/NET, ZERO, PRINT, UNITS, AC-CUM, ID, CLEAR, ENTER, SET POINT, Decimal Point, and Numeric Keypad 0-9
- Mounting:** U-Bracket for wall, table or under shelf mount.
- Power:** 115 VAC, 50/60 HZ; 230 VAC Optional
- Load Cells:** Drives up to Four (4) 350 ohm load cells
- Options:** See the Options Guide (Indicators Section Pages 1-4)
- Input/Output:** Two Bi-directional RS-232 Ports, Four Programmable Print Strings, Eight Digital Outputs, and Two Programmable Inputs
- Approvals:** NTEP, Class III, 10,000 divisions

#### Optional Communications Interfaces

- ◆ Washdown Ethernet - Wired
- ◆ Washdown Ethernet - Wireless
- ◆ Modbus/TCP
- ◆ Bluetooth
- ◆ 4-20mA
- ◆ RS-485
- ◆ USB 2.0

#### Advanced Software Features

- ◆ Grading Scale and Peak Hold - Standard
- ◆ Dimension Setup and Configuration Windows Software
- ◆ User Definable Data Output
- ◆ Excelsior Data Collection Software Compatible

#### Optional Relays

- ◆ Up to 4 internal mechanical or solid state relays.
- ◆ Up to 8 external mechanical or solid state relays.

# 2200CW Checkweigh Indicator

**Key Selling Points:**

- 250 Product Database
- Full Function Keypad
- Eight Standard Setpoint Outputs and Two Programmable Inputs
- Over, Under, and Accept Indicators

**Approvals:**



NTEP Class III: (CC# 06-101) 10,000d  
Measurement Canada Class III: (AM-5617) 10,000d



**Part #: 2200CW**  
**\$795**  
**(A)**

- Capacity:** User definable from 1 to 999,999 lb
- Resolution:** User definable from 100 to 45,000d
- Units:** lb, oz, kg, g, or lb:oz
- Calibration:** As little as 2% of full capacity required for calibration.
- Functions:** TARE, GROSS/NET, ZERO, PRINT, UNITS, AC-CUM, PROD ID, CLEAR, ENTER, OVER, UNDER, Decimal Point, and Numeric Keypad 0-9
- Mounting:** U-Bracket for wall, table or under shelf mount.
- Power:** 115 VAC, 50/60 HZ; 230 VAC Optional
- Load Cells:** Drives up to Four (4) 350 ohm load cells
- Options:** See the Options Guide (Indicators Section Pages 1-4)
- Input/Output:** Two Bi-directional RS-232 Ports, Four Programmable Print Strings, Eight Digital Outputs, and Two Programmable Inputs
- Approvals:** NTEP, Class III, 10,000 divisions

<p><b>Optional Communications Interfaces</b></p> <ul style="list-style-type: none"> <li>◆ Washdown Ethernet - Wired</li> <li>◆ Washdown Ethernet - Wireless</li> <li>◆ Modbus/TCP</li> <li>◆ Bluetooth</li> </ul> <p><b>Optional Relays</b></p> <ul style="list-style-type: none"> <li>◆ Up to 4 internal mechanical or solid state relays.</li> <li>◆ Up to 8 external mechanical or solid state relays.</li> </ul>	<p><b>Advanced Software Features</b></p> <ul style="list-style-type: none"> <li>◆ Grading Scale and Peak Hold - Standard</li> <li>◆ Dimension Setup and Configuration Windows Software</li> <li>◆ User Definable Data Output</li> <li>◆ Excelerator Data Collection Software Compatible</li> <li>◆ QC Weigh Software Compatible</li> </ul>
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# 2200PM

## Panel Mount Advanced Scale Indicator



### Key Selling Points:

- Stainless Steel Face Plate with 6 Mounting Points
- IP69K Washdown Panel Mount
- Dust-tight Electronics Enclosure
- Easy to Use Load Cell, Setpoint, & Remote Switch Interface

### Approvals:



NTEP Class III: (CC# 06-101) 10,000d  
 Measurement Canada Class III: (AM-5617) 10,000d

**Part #: 2200PM**  
**\$840**  
**(A)**

- Capacity:** User definable from 1 to 999,999 lb
- Resolution:** User definable from 100 to 45,000d
- Units:** lb, oz, kg, g, or lb:oz
- Calibration:** As little as 2% of full capacity required for calibration.
- Functions:** TARE, GROSS/NET, ZERO, PRINT, UNITS, ACCUM, PROD ID, CLEAR, ENTER, SET POINT, Decimal Point, and Numeric Keypad 0-9
- Mounting:** U-Bracket for wall, table or under shelf mount.
- Power:** 115 VAC, 50/60 HZ; 230 VAC Optional
- Load Cells:** Drives up to Four (4) 350 ohm load cells
- Options:** See the Options Guide (Indicators Section Pages 1-4)
- Input/Output:** Two Bi-directional RS-232 Ports, Four Programmable Print Strings, Eight Digital Outputs, and Two Programmable Inputs
- Approvals:** NTEP, Class III, 10,000 divisions

<p><b>Optional Communications Interfaces</b></p> <ul style="list-style-type: none"> <li>◆ Washdown Ethernet - Wired</li> <li>◆ Washdown Ethernet - Wireless</li> <li>◆ Modbus/TCP</li> <li>◆ Bluetooth</li> <li>◆ 4-20mA</li> <li>◆ RS-485</li> <li>◆ USB 2.0</li> </ul> <p><b>Optional Relays</b></p> <ul style="list-style-type: none"> <li>◆ Up to 4 internal mechanical or solid state relays.</li> <li>◆ Up to 8 external mechanical or solid state relays.</li> </ul>	<p><b>Advanced Software Features</b></p> <ul style="list-style-type: none"> <li>◆ Grading Scale and Peak Hold - Standard</li> <li>◆ Dimension Setup and Configuration Windows Software</li> <li>◆ User Definable Data Output</li> <li>◆ Excelsior Data Collection Software Compatible</li> </ul>
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**Key Selling Points:**

- Easy to Use Checkweighing Indicator
- 3 or 5 Zone Checkweigh
- Indestructible Guardian Touch Panel
- Checkweigh to Zero or Actual Weight

**Approvals:**

NTEP Class III: (CC# 97-038A1) 10,000d  
Measurement Canada Class III: (AM-5201) 10,000d

**Part #: 4300M****\$740****(A)**

<b>Capacity:</b>	User definable from 1 to 999,999 lb
<b>Resolution:</b>	User definable from 250 to 50,000d
<b>Units:</b>	lb, oz, kg, g, or lb:oz
<b>Calibration:</b>	As little as 2% of full capacity required for calibration.
<b>Functions:</b>	ZERO, UNITS, PRINT, OVER, and UNDER
<b>Mounting:</b>	U-Bracket for wall, table or under shelf mount.
<b>Power:</b>	115 VAC, 50/60 HZ; 230 VAC Optional
<b>Load Cells:</b>	Drives up to Four (4) 350 ohm load cells
<b>Options:</b>	See the Options Guide (Indicators Section Pages 1-4)
<b>Input/Output:</b>	Bi-directional RS-232 standard, Four Programmable Print Strings
<b>Approvals:</b>	NTEP, Class III, 10,000 divisions

**Optional Communications Interfaces**

- ◆ Washdown Ethernet - Wired
- ◆ Washdown Ethernet - Wireless
- ◆ Modbus/TCP
- ◆ Bluetooth
- ◆ 4-20mA
- ◆ RS-485
- ◆ USB 2.0

**Optional Setpoints**

- ◆ Up to 8 setpoint relays are available for use in process control, Accept/Reject, 4 Internal Relays or 8 Digital Outputs.

**Advanced Software Features**

- ◆ Accumulator, Counter, Grading Scale and Peak Hold - Standard
- ◆ Dimension Setup and Configuration Windows Software
- ◆ User Definable Data Output
- ◆ Excelerator Data Collection Software Compatible

# 7000XLM

## Digital Weight Indicator

### Key Selling Points:

- NEMA4X and IP69K Rated
- Simple Controls
- Adaptable to a Wide Variety of Applications
- Accumulator, Counter and Grading Functions

### Approvals:



NTEP Class III: (CC# 99-129A4) 10,000d  
 Measurement Canada Class III: (AM-5188) 10,000d



**Part #: 7000XLM**  
**\$715**  
**(A)**

- Capacity:** User definable from 1 to 999,999 lb
- Resolution:** User definable from 250 to 50,000d
- Units:** lb, oz, kg, g, or lb:oz
- Calibration:** As little as 2% of full capacity required for calibration.
- Functions:** ZERO, UNITS, and PRINT Pushbuttons
- Mounting:** U-Bracket for wall, table or under shelf mount.
- Power:** 115 VAC, 50/60 HZ; 230 VAC Optional
- Load Cells:** Drives up to Four (4) 350 ohm load cells
- Options:** See the Options Guide  
(Indicators Section Pages 1-4)
- Input/Output:** Bi-directional RS-232 Port, Four Programmable Print Strings
- Approvals:** NTEP, Class III, 10,000 divisions

<p><b>Optional Communications Interfaces</b></p> <ul style="list-style-type: none"> <li>◆ Washdown Ethernet - Wired</li> <li>◆ Washdown Ethernet - Wireless</li> <li>◆ Modbus/TCP</li> <li>◆ Bluetooth</li> </ul> <p><b>Optional Setpoints</b></p> <ul style="list-style-type: none"> <li>◆ Up to 8 setpoint relays are available for use in process control, Accept/Reject, 4 Internal Relays or 8 Digital Outputs.</li> </ul>	<p><b>Advanced Software Features</b></p> <ul style="list-style-type: none"> <li>◆ Accumulator, Counter, Grading Scale and Peak Hold - Standard</li> <li>◆ Dimension Setup and Configuration Windows Software</li> <li>◆ User Definable Data Output</li> <li>◆ Excelsior Data Collection Software Compatible</li> </ul>
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# 7400M Checkweigh Indicator

## Key Selling Points:

- Single Push Button Operation
- Over, Under, and Accept Indicators
- NEMA4X and IP69K Rated
- Accumulator, Counter, and Grading Functions

## Approvals:



NTEP Class III: (CC# 97-038A1) 10,000d  
Measurement Canada Class III: (AM-5201) 10,000d



**Part #: 7400M**  
**\$735**  
**(A)**

<b>Capacity:</b>	User definable from 1 to 999,999 lb
<b>Resolution:</b>	User definable from 250 to 50,000d
<b>Units:</b>	lb, oz, kg, g, or lb:oz
<b>Calibration:</b>	As little as 2% of full capacity required for calibration.
<b>Functions:</b>	ZERO Pushbutton
<b>Mounting:</b>	U-Bracket for wall, table or under shelf mount.
<b>Power:</b>	115 VAC, 50/60 HZ; 230 VAC Optional
<b>Load Cells:</b>	Drives up to Four (4) 350 ohm load cells
<b>Options:</b>	See the Options Guide (Indicators Section Pages 1-4)
<b>Input/Output:</b>	Bi-directional RS-232 standard, Four Programmable Print Strings
<b>Approvals:</b>	NTEP, Class III, 10,000 divisions

### Optional Communications Interfaces

- ◆ Washdown Ethernet - Wired
- ◆ Washdown Ethernet - Wireless
- ◆ Modbus/TCP
- ◆ Bluetooth
- ◆ 4-20mA
- ◆ RS-485
- ◆ USB 2.0

### Optional Setpoints

- ◆ Up to 8 setpoint relays are available for use in process control, Accept/Reject, 4 Internal Relays or 8 Digital Outputs.

### Advanced Software Features

- ◆ Accumulator, Counter, Grading Scale and Peak Hold - Standard
- ◆ Dimension Setup and Configuration Windows Software
- ◆ User Definable Data Output
- ◆ Excelsior Data Collection Software Compatible



# 8000XLM

## Battery Powered Scale Indicator

### Key Selling Points:

- Rechargeable Battery Provides 60 Hours of Use Between Charges
- IP69K & NEMA4X Washdown Rated
- Simple Controls - Easy to Use
- Accumulator, Counter, and Grading Functions

### Approvals:



NTEP Class III: (CC#99-129A4) 10,000d  
Measurement Canada Class III: (AM-5347) 10,000d



**Part #: 8000XLM**

**\$850**

**(A)**

<b>Capacity:</b>	User definable from 1 to 999,999 lb
<b>Resolution:</b>	User definable from 250 to 50,000d
<b>Units:</b>	lb, oz, kg, g, or lb:oz
<b>Calibration:</b>	As little as 2% of full capacity required for calibration.
<b>Functions:</b>	ZERO, PRINT, and UNITS Pushbuttons
<b>Mounting:</b>	U-Bracket for wall, table or under shelf mount.
<b>Power:</b>	115 VAC, 50/60 HZ; 230 VAC Optional The internal rechargeable battery provides 60 hours of use between recharge cycles.
<b>Load Cells:</b>	Drives up to Four (4) 350 ohm load cells
<b>Options:</b>	See the Options Guide (Indicators Section Pages 1-4)
<b>Input/Output:</b>	Bi-directional RS-232 Port and Four Programmable Print Strings
<b>Approvals:</b>	NTEP, Class III, 10,000 divisions

### Optional Communications Interfaces

- ◆ Washdown Ethernet - Wired
- ◆ Washdown Ethernet - Wireless
- ◆ Modbus/TCP
- ◆ Bluetooth
- ◆ 4-20mA
- ◆ RS-485
- ◆ USB 2.0

### Optional Setpoints

- ◆ Up to 8 setpoint relays are available for use in process control, Accept/Reject, 4 Internal Relays or 8 Digital Outputs.

### Advanced Software Features

- ◆ Accumulator, Counter, Grading Scale, and Peak Hold - standard
- ◆ Dimension Setup and Configuration Windows Software
- ◆ User Definable Data Output
- ◆ Excelerator Data Collection Software Compatible

# SCALE BASES

## DXL Series Stainless Steel Bases

### Key Selling Points:

- Washdown Safe
- 1000% Overload Protection Provided by the "Quad Spring" Shockproof Base
- Welded Platter for Superior Strength
- IP66 Rated Load Cells are Sealed and Grounded to Ensure a Long Life



### Approvals:



NTEP Class III: (CC# 97-097A1) 5,000d  
Measurement Canada Class III: (AM-5241) 5,000d

Model #	Capacity	Base Size	Price*
DXL7002/88	2lb / 0.9kg / 32oz	8" x 8"	\$560
DXL7005/88	5lb / 2.3kg / 80oz	8" x 8"	\$560
DXL7010/88	10lb / 4.5kg / 160oz	8" x 8"	\$560
DXL7025/88	25lb / 9.1kg / 320oz	8" x 8"	\$560
DXL7002	2lb / 0.9kg / 32oz	10" x 10"	\$560
DXL7005	5lb / 2.3kg / 80oz	10" x 10"	\$560
DXL7010	10lb / 4.5kg / 160oz	10" x 10"	\$560
DXL7025	25lb / 9.1kg / 320oz	10" x 10"	\$560
DXL7050	50lb / 22.7kg / 800oz	10" x 10"	\$560
DXL8050	50lb / 22.7kg / 800oz	12" x 12"	\$700
DXL8100	100lb / 45kg / 1600oz	12" x 12"	\$700
DXL9050	50lb / 23kg / 800oz	15" x 15"	\$950
DXL9100	100lb / 45kg / 1600oz	15" x 15"	\$950
DXL9200	200lb / 91kg / 3200oz	15" x 15"	\$950
<b>*Discount level A applies to all scale bases in this table.</b>			

### Notes:

- For scales calibrated to 10,000d, add SP suffix to the part number shown above.
- Models DXL7002 and DXL7002/88 are not legal for trade

### DXL Series Base Options

<b>Stainless Steel Load Cell for 10" x 10" Base</b> (Part#: EXOPT136).....	\$195
<b>Stainless Steel Load Cell for 12" x 12" Base</b> (Part#: EXOPT137) .....	\$225
<b>Stainless Steel Load Cell for 15" x 15" Base</b> (Part#: EXOPT138) .....	\$225
<b>FM Approved Load Cell for DXL Bases</b> (Part#: DXLOPTFM) .....	\$75
<b>15" x 15" Ball Transfer Top</b> Stainless Steel Ball Transfer Units (Part#: DXL9OPT01).....	\$950
<b>15" x 15" Roller Top</b> Stainless Steel Rollers (Part#: DXL9OPT02) .....	\$600

**Discount level C applies to all options and replacement parts.**



# SCALE BASES

## DSS Series Stainless Steel Bases

### Key Selling Points:

- Washdown Safe
- All Square Tube Construction
- Six Overload Stops
- IP66 Rated Load Cells are Sealed and Grounded to Ensure a Long Life



### Approvals:



NTEP Class III: (CC# 05-062) 5,000d

Model #	Capacity	Base Size	Price*
DSS3100	100lb / 45kg / 1600oz	18" x 18"	\$1095
DSS3250	250lb / 113kg / 4000oz	18" x 18"	\$1095
DSS3500	500lb / 227kg / 8000oz	18" x 18"	\$1095
DSS4250	250lb / 113kg / 4000oz	18" x 24"	\$1195
DSS4500	500lb / 227kg / 8000oz	18" x 24"	\$1195
DSS5250	250lb / 113kg / 4000oz	24" x 24"	\$1495
DSS5500	500lb / 227kg / 8000oz	24" x 24"	\$1495
DSS51000	1000lb / 454kg / 16000oz	24" x 24"	\$1495

**\*Discount level A applies to all scale bases in this table.**

**PRICE DROP**

*Now priced less than 2012 prices*

### Notes:

- Additional capacities and resolutions are available upon request for an additional \$95.00.

### DSS Series Base Options

#### Stainless Steel Load Cell for 100lb Capacity Base (18" x 18")

(Part#: EXOPT179-0100LB)..... \$995

#### Stainless Steel Load Cell for 250lb Capacity Base (18" x 18", 18" x 24", or 24" x 24")

(Part#: EXOPT179-0250LB)..... \$995

#### Stainless Steel Load Cell for 500lb Capacity Base (18" x 18", 18" x 24", or 24" x 24")

(Part#: EXOPT179-0500LB)..... \$525

#### Stainless Steel Load Cell for 1000lb Capacity Base (24" x 24")

(Part#: EXOPT179-1000LB)..... \$525

FM Approved Load Cell for DSS Bases (Part#: DSSOPTFM)..... \$125

20" Tall Atlas Column (Part#: DSSOPHT)..... \$250

30" Tall Atlas Column (Part#: DSSOPHT1)..... \$400

Roller Conveyor Option for 24" x 24" Base (S.S. Rollers) (Part# DSSOPT04)..... \$750

Roller Conveyor Option for 18" x 18" Base (S.S. Rollers) (Part# DSSOPT05)..... \$600

Roller Conveyor Option for 24" x 24" Base (PVC Rollers) (Part# DSSOPT06)..... \$750

Roller Conveyor Option for 18" x 18" Base (PVC Rollers) (Part# DSSOPT07)..... \$750

Balltop Conveyor Option for 18" x 18" Base (S.S. Balltops) (Part# DSSOPT09)..... \$950

Balltop Conveyor Option for 18" x 24" Base (S.S. Balltops) (Part# DSSOPT10)..... \$975

Discount level C applies to all options and replacement parts.

# SCALE BASES

## DMS Series Painted Steel Bases

### Key Selling Points:

- Heavy Gauge Construction
- All Square Tube Construction
- Six Overload Stops
- Two Part Blue Polyurethane Paint Provides Superior Abrasion and Wear Protection



### Approvals:



NTEP Class III: (CC# 05-062) 5,000d

Model #	Capacity	Base Size	Price*
DMS3100	100lb / 45kg / 1600oz	18" x 18"	\$595
DMS3250	250lb / 113kg / 4000oz	18" x 18"	\$595
DMS4250	250lb / 113kg / 4000oz	18" x 24"	\$675
DMS4500	500lb / 227kg / 8000oz	18" x 24"	\$675
DMS5250	250lb / 113kg / 4000oz	24" x 24"	\$795
DMS5500	500lb / 227kg / 8000oz	24" x 24"	\$795
DMS51000	1000lb / 454kg / 16000oz	24" x 24"	\$795
<b>*Discount level A applies to all scale bases in this table.</b>			

**PRICE  
DROP**

*Now  
priced  
less  
than  
2012  
prices*

### Notes:

- Additional capacities and resolutions are available upon request for an additional \$95.00.

### DMS Series Base Options

See the next page for the wide variety of options that are available for the DMS Series Bases.



# DMS SERIES

## Mild Steel Base Options

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<b>Stainless Steel Platter - 18" x 18"</b> (Part#: MVPOPT004) .....	\$150
<b>Stainless Steel Platter - 18" x 24"</b> (Part#: MVPOPT003) .....	\$175
<b>Stainless Steel Platter - 24" x 24"</b> (Part#: MVPOPT002) .....	\$200
<b>FM Approved Load Cell</b> (Part#: DMSOPTFM).....	\$125
<b>Mobility Kit</b> (Part#: DMSOPT01).....	\$200

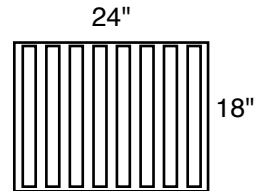
Includes:

- Four 3" Diameter Locking Swivel Casters (Hard Rubber)
- Casters add 4" in height, for a total base height of 8.875"
- 36" Tall painted steel column with handles and indicator mounting plate. The indicator mounting plate accepts the DS100 as well as our standard indicators.

<b>DMS Tower - Tall</b> (36" Tall - Top of platter to the middle of the indicator) (Part#: DMSOPT02) .....	\$150
<b>DMS Tower - Short</b> (20" Tall - Top of platter to the middle of the indicator) (Part#: DMSOPT03).....	\$125

<b>Roller Conveyor Option - 18" x 18" Scale Base</b> (Part#: DMSOPT05) .....	\$300
Includes: Painted mild steel rails with six 1.9" diameter galvanized rollers on 3" centers. Roller weight capacity is 250lb PER ROLLER for all roller conveyor options.	

<b>Roller Conveyor Option - 18" x 24" Scale Base</b> (Part#: DMSOPT07) .....	\$300
Includes: Painted mild steel rails with eight 1.9" diameter galvanized rollers on 3" centers. Total roller conveyor option height is 3.875" for all conveyor options. This size is not in stock, please call for lead time.	



<b>Roller Conveyor Option - 24" x 24" Scale Base</b> (Part#: DMSOPT04) .....	\$300
Includes: Painted mild steel rails with eight 1.9" diameter galvanized rollers on 3" centers. Total roller conveyor option height is 3.875" for all conveyor options. This size is not in stock, please call for lead time.	

<b>Ball Transfer Option - 18" x 18" Scale Base</b> (Part#: DMSOPT09) .....	\$500
Includes: Twenty mild steel roller balls flange mounted on the 18" x 18" platter. Height of ball transfer is 1.187". Maximum weight capacity is 75lb per ball.	

<b>Ball Transfer Option - 18" x 24" Scale Base</b> (Part#: DMSOPT10) .....	\$500
Includes: Twenty mild steel roller balls flange mounted on the 18" x 24" platter. Height of ball transfer is 1.187". Maximum weight capacity is 75lb per ball.	

<b>Ball Transfer Option - 24" x 24" Scale Base</b> (Part#: DMSOPT06).....	\$500
Includes: Twenty mild steel roller balls flange mounted on the 24" x 24" platter. Height of ball transfer is 1.187". Maximum weight capacity is 75lb per ball.	

**Discount level C applies to all options and replacement parts.**

# DBS DORAN BAGGAGE SCALE

## Standard Base Design

### Key Selling Points:

- Straight-Sided Platter for Recess Mount in Bagwell
- Reliable, Heavy-Duty Field-Proven Design
- Front Panel Calibration
- Modular Design for Fast and Easy Field Service

### Approvals:



NTEP Class III: (CC# 05-061, 05-062) 5,000d

### Main Display and Base



Model #	Pounds Cap. x Res.	Kilograms Cap. x Res.	Base Size	Price*
DBS5250M	250 x 0.5	113 x 0.2	24" x 24"	\$1,420
DBS5500M	500 x 0.5	227 x 0.2	24" x 24"	\$1,420
DBS51000M	1000 x 0.5	454 x 0.2	24" x 24"	\$1,420
*Discount level A applies to all scale bases in this table.				

### Main Display, Remote Display, and Base



Model #	Pounds Cap. x Res.	Kilograms Cap. x Res.	Base Size	Price*
DBS5250MR	250 x 0.5	113 x 0.2	24" x 24"	\$1,665
DBS5500MR	500 x 0.5	227 x 0.2	24" x 24"	\$1,665
DBS51000MR	1000 x 0.5	454 x 0.2	24" x 24"	\$1,665
*Discount level A applies to all scale bases in this table.				

**Notes:** - All baggage scale orders are non-cancelable and non-returnable.  
 - Side of top platter is 1.5" high.

### Baggage Scale Components - Standard Base Design

Baggage Scale Digital Weight Indicator - <i>Main Display Only</i> (Part#: DS100-BM) .....	\$350
Baggage Scale Digital Weight Indicator - <i>Remote Display Only</i> (Part#: DS100-BR) .....	\$250
Baggage Scale Digital Weight Indicator WITH Accumulator Function - <i>Main Display Only</i> (Part#: DS100-ABM) ...	\$450
Baggage Scale Weight Indicator WITH Accumulator Function - <i>Main &amp; Remote Display</i> (Part#: DS100-ABMR).....	\$800
250lb Capacity 24" x 24" Scale Base Only (Part#: DMS5250-BB).....	\$995
500lb Capacity 24" x 24" Scale Base Only (Part#: DMS5500-BB).....	\$995
1000lb Capacity 24" x 24" Scale Base Only (Part#: DMS51000-BB).....	\$995

Discount level A applies to all scale system components.

### Baggage Scale Options

Remote Switch Box - UNITS and ZERO (on/off) Stainless Steel Front Bezel, Panel Mount (Part#: DBSOPT001).....	\$75
RS-232 Serial Data Output, with 4 wire shielded cable, 10 ft., with 9 pin FEMALE "D" connector. Typically used for scale to PC connections. (Part#: DBSOPT002) .....	\$35
230 VAC Operation (Part#: DBSOPT003).....	\$25
Cable to Connect Main Display to Remote Display (Part#: WCB0186) .....	\$25

Discount level C applies to all options and replacement parts.



# DBS DORAN BAGGAGE SCALE

## Low-Profile Base Design

### Key Selling Points:

- The original low-profile base design
- Reliable, Heavy Duty, Field-Proven Design
- Front Panel Calibration
- Modular Design for Easy Field Service

### Approvals:



NTEP Class III: (CC# 05-062) 5,000d

### Main Display and Base



Model #	Pounds Cap. x Res.	Kilograms Cap. x Res.	Base Size	Price*
DBS6300M/2932	300 x 0.5	136 x 0.2	See Notes	\$1,995
DBS6500M/2932	500 x 0.5	227 x 0.2	See Notes	\$1,995
<b>*Discount level A applies to all scale bases in this table.</b>				

### Main Display, Remote Display, and Base



Model #	Pounds Cap. x Res.	Kilograms Cap. x Res.	Base Size	Price*
DBS6300MR/2932	300 x 0.5	136 x 0.2	See Notes	\$2,245
DBS6500MR/2932	500 x 0.5	227 x 0.2	See Notes	\$2,245
<b>*Discount level A applies to all scale bases in this table.</b>				

**Note: All baggage scale orders are non-cancelable and non-returnable.**

### Notes:

1. Base is 1.64" High.
2. This scale system can only be shipped via truck.
3. Exact outside base dimensions are required for CUSTOM low-profile base sizes.
4. We can manufacture custom sizes from 18" x 18" to 48" x 36" or a total of 1,728 square inches.
5. Typical production lead time is 4 to 6 weeks.

### Baggage Scale Components - Low-Profile Base Design

Baggage Scale Digital Weight Indicator - <i>Main Display Only</i> (Part#: DS100-BM) .....	\$350
Baggage Scale Digital Weight Indicator - <i>Remote Display Only</i> (Part#: DS100-BR) .....	\$250
Baggage Scale Digital Weight Indicator WITH Accumulator Function - <i>Main Display Only</i> (Part#: DS100-ABM) .....	\$450
Baggage Scale Weight Indicator WITH Accumulator Function - <i>Main &amp; Remote Display</i> (Part#: DS100-ABMR) .....	\$800
300lb Capacity 29.5" x 32" Scale Base Only (Part#: SIL6300/2932) .....	\$1,645
500lb Capacity 29.5" x 32" Scale Base Only (Part#: SIL6500/2932) .....	\$1,645

**Discount level A applies to all scale system components.**

### Baggage Scale Options - Low Profile Base Design

Remote Switch Box - UNITS and ZERO (on/off) Panel Mount (Part#: DBSOPT001) .....	\$75
RS-232 Serial Data Output, with 4 wire shielded cable, 10 ft., with 9 pin FEMALE "D" connector. Typically used for scale to PC connections. (Part#: DBSOPT002) .....	\$35
230 VAC Operation (Part#: DBSOPT003) .....	\$25

**Discount level C applies to all options and replacement parts.**



# DCS DORAN BAGGAGE SCALE

## Doran Curbside Scale

**Key Selling Points:**

- 24" x 24" Base
- Heavy Duty, Welded Construction
- 36" High Column with Handles
- Four 3" Diameter Locking Swivel Casters



**Approvals:**



NTEP Class III: (CC# 05-061,05-062) 5,000d

Model #	Pounds Cap. x Res.	Kilograms Cap. x Res.	Ounces Cap. x Res.	Price*
DCS5250	250 x 0.05	113 x 20g	4000 x 1	\$1,340
DCS5500	500 x 0.1	227 x 50g	8000 x 2	\$1,340
DCS51000	1000 x 0.2	454 x 100g	16000 x 5	\$1,340
<b>*Discount level A applies to all scale bases in this table.</b>				

### Curbside Scale Options

- Stainless Steel Platter** (Part#: DCSOPT001) ..... \$300
- 8000XLM Upgrade** (Part#: DCSOPT002) ..... \$530



- Provides an indicator with:
- An Internal Rechargeable Battery
  - 60 Hours of Continuous Use
  - Auto-Shutoff to Conserve Battery Life

**Discount level C applies to all options and replacement parts.**



# DATA ACQUISITION SOFTWARE

## QC Weigh

**Key Selling Points:**

- View Critical QC Data in Real Time
- Easy to Configure and Use
- Assures Employee Accountability
- Fast Return on Investment

Reducing cost of poor quality starts with actionable data that is delivered accurately and quickly. QC Weigh software achieves that by capturing quality control data and transmits the data to your customer's desktop. In addition to on screen display, QC Weigh can be configured to send this data to your customer's e-mail inbox.



QC Weigh provides data that your customer can trust. Handwritten QC records have been shown to be inaccurate and pages and pages of handwritten records make it impossible to pinpoint manufacturing problems.

Employees are held accountable for accurate QC sampling. Using unique operator ID's, scheduled sample intervals with alarms, and data collection ensure that employees are performing quality control tasks.

**Part #: SFT0006**  
**\$1295**  
**(C)**

**QC Weigh Options**

- QC Weigh Live** (Part#: SFT0006-1) Real-time data graphing module ..... \$995
- SQL Database Module** (Part#: 62OPT17) ..... \$995
- Onsite Support, Installation, and Training :: Daily Rate - 8 Hours (8AM - 5PM)** (Part#: ZZZ0057) ..... \$995

**Recommended Scales and Scale Options**

- Configure 2200CW to be compatible with QC Weigh** (Part#: EXOPT214) ..... \$00
- 2200CW Checkweigh Scale (2 x 0.0005lb)** (Part#: 22002CW)..... \$1435
- 2200CW Checkweigh Scale (5 x 0.001lb)** (Part#: 22005CW)..... \$1435  
(Refer to the 2200CW scale brochure for detailed specifications of these scales.)
- Wired Ethernet Communications Module Rated IP65** (Part#: EXOPT101)..... \$395
- Wired Ethernet Connector Field Installable - Rated IP65** (Part#: EXOPT150) ..... \$65
- Wireless Ethernet Communications 802.11b** (Part#: EXOPT102)..... \$495
- USB Interface** (Part#: EXOPT160)..... \$220
- Bluetooth** (Part#: EXOPT205) ..... \$220
- Heavy Duty Barcode Scanner with 12' Cable - Rated IP65** (Part#: EXOPT177)..... \$1045
- Red LED Light Tower** (Part#: EXOPT206) ..... \$485
- Audible Alarm** (Part#: EXOPT152) ..... \$125

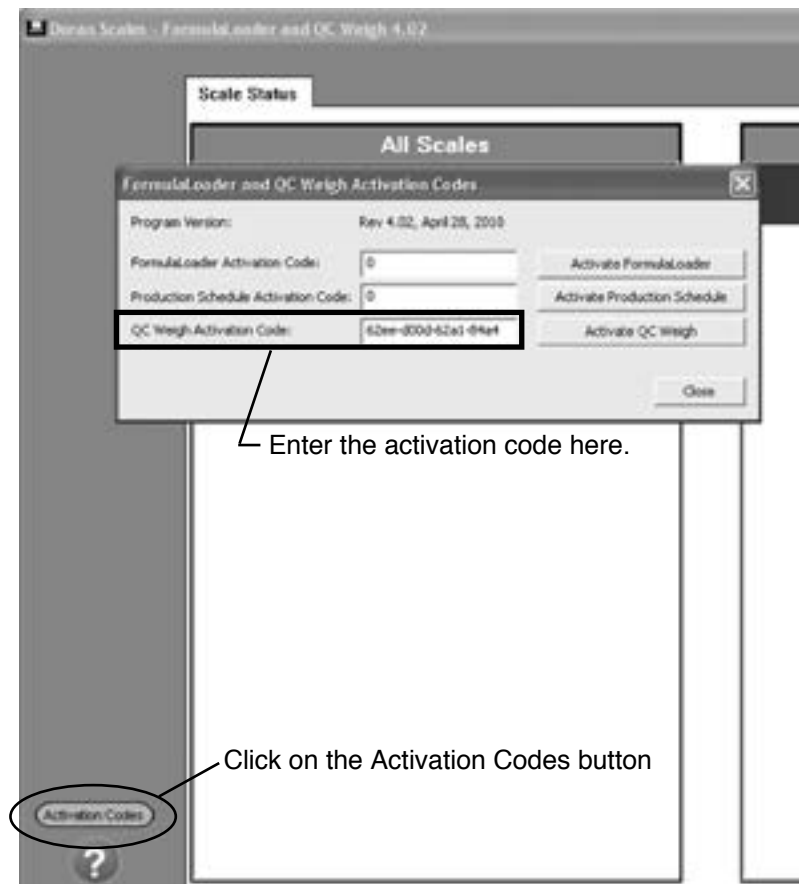
**Discount level C applies to all options and replacement parts.**



# DATA ACQUISITION SOFTWARE

## QC Weigh

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### Activating QC Weigh Software

Each QC Weigh CD ships with unique activation numbers that your customer will use to unlock the program after they have installed it on the PC that they intend to use with the program.

After QC Weigh has been installed on the PC, the screen shown to the left will appear when the program is run for the first time. Clicking on the button labeled, "Activation Codes" will launch a window where the activation code can be entered. Type the activation code exactly as it appears on the document that ships with the CD then press the button, labeled "Activate QC Weigh". Click on "Close", and the program is now ready to use.

# DATA ACQUISITION SOFTWARE

## Production Sentry

### Key Selling Points:

- Remotely Manage Employee Productivity
- Captures all Weighments of Each Scale Operator
- Plant Management Controls Tolerances
- Reduces Product Giveaway due to Overweight Product

This newest addition to Doran Scales software collection works with the 2200CW family of scales - making it possible to record all weighments on the factory floor. In addition to the weighments, the software records logins to the scale and links these to the weight data.

Production Sentry acts as a remote control for the management team. Using Production Sentry, supervisors can control the scales from a remote location changing tolerances, associating user ID's to scale ID's, assigning scales to groups, or adding product ID's to scales.

In one real-world application, Production Sentry revealed that employees were producing product out of tolerance 54% of the time as opposed to the 10% rate that management observed. Installing Production Sentry and 2200CW scales caused a change in behavior of the employees - resulting in an improvement of the accuracy rate and profit margins.

Record #	Time/Date	User ID	SGL	Description	Record %	LOW	UNDER
1576	2013/01/04	123	3	Steved Caps	80.0	20 wt	8.2 wt
1587	2013/01/04	123	3	Steved Caps	80.0	20 wt	8.2 wt
1584	2013/01/04	123	3	Steved Caps	80.0	20 wt	8.2 wt
1585	2013/01/04	123	3	Steved Caps	80.0	20 wt	8.2 wt
1587	2013/01/04	123	3	Steved Caps	80.0	20 wt	8.2 wt
1588	2013/01/04	123	3	Steved Caps	80.0	20 wt	8.2 wt
1592	2013/01/04	123	3	Steved Caps	80.0	20 wt	8.2 wt
1616	2013/01/04	123	3	Steved Caps	80.0	20 wt	8.2 wt
1640	2013/01/04	123	3	Steved Caps	80.0	20 wt	8.2 wt
1786	2013/01/04	123	3	Steved Caps	80.0	20 wt	8.2 wt
1816	2013/01/04	123	3	Steved Caps	80.0	20 wt	8.2 wt
1888	2013/01/04	123	3	Steved Caps	80.0	20 wt	8.2 wt
1795	2013/01/04	123	3	Steved Caps	80.0	20 wt	8.2 wt
1888	2013/01/04	123	3	Steved Caps	80.0	20 wt	8.2 wt
1885	2013/01/04	123	3	Steved Caps	80.0	20 wt	8.2 wt
1882	2013/01/04	123	3	Steved Caps	80.0	20 wt	8.2 wt
1787	2013/01/04	123	3	Steved Caps	80.0	20 wt	8.2 wt
1882	2013/01/04	123	3	Steved Caps	80.0	20 wt	8.2 wt

**Part #: SFT0008**  
**\$3,995**  
**(C)**

### Recommended Scales and Scale Options

<b>Configure 2200CW to be compatible with QC Weigh</b> (Part#: EXOPT209) .....	\$00
<b>2200CW Checkweigh Scale (2 x 0.0005lb)</b> (Part#: 22002CW).....	\$1435
<b>2200CW Checkweigh Scale (5 x 0.001lb)</b> (Part#: 22005CW).....	\$1435
(Refer to the 2200CW scale brochure for detailed specifications of these scales.)	
<b>Wired Ethernet Communications Module Rated IP65</b> (Part#: EXOPT101).....	\$395
<b>Wired Ethernet Connector Field Installable - Rated IP65</b> (Part#: EXOPT150) .....	\$65
<b>Wireless Ethernet Communications 802.11b</b> (Part#: EXOPT102).....	\$495
<b>USB Interface</b> (Part#: EXOPT160).....	\$220
<b>Bluetooth</b> (Part#: EXOPT205) .....	\$220
<b>Heavy Duty Barcode Scanner with 12' Cable - Rated IP65</b> (Part#: EXOPT177).....	\$1045
<b>Red LED Light Tower</b> (Part#: EXOPT206) .....	\$485
<b>Audible Alarm</b> (Part#: EXOPT152).....	\$125

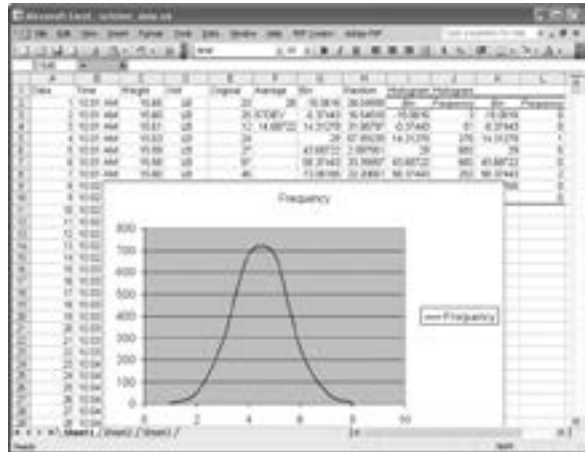


# DATA ACQUISITION SOFTWARE

## Excelerator

### Key Selling Points:

- Automated Data Collection
- Collect Data from up to 20 Scales
- Assures Employee Accountability
- Import User Defined Data Strings



Part #: SFT0001

\$395

(C)

### Purchasing and Activating the Excelerator Software

Your customer will need to download and install the 15 day demo available at:  
<http://www.doranscales.com/excelerator/Excelerator.msi>

Once your customer has installed the demo version of the program, you will need to supply our sales department with the registration number and a username that your customer would like to use to activate the program. To avoid any errors, it is recommended that you fax or e-mail this information to Doran Scales, Inc.

Within 24 hours we will e-mail you an activation code and the username that your customer will need to activate the program and remove the 15 day trial limit. In addition to the e-mail, Doran Scales will send you or your customer a CD containing the Excelerator program, the Excelerator manual and other software tools. You will be invoiced for the product when the activation information has been e-mailed.

To activate the program, start up the Excelerator program and click on the button labeled "Register", the Register screen will be displayed. **The UserName and UnLock codes are case sensitive**, so it is important that they are entered exactly as they appear in the e-mail from Doran Scales.

# PRINTERS

## Barcode Label Printer

### Key Selling Points:

- Direct Thermal Printing
- Preloaded Doran Label Formats
- Compatible with "Create a Label" - Easy Label Design
- Custom Label Formats are Available



Model #	Description	Price*
PRT0350	Barcode label printer only	\$525
PRT0350-C	Barcode label printer and a 10' long scale to printer cable. (RS-232 9 Pin Male "D" Connector)	\$600
PRT0350-C-BULKHEAD-P	Barcode label printer with quick disconnect	\$600
<b>*Discount level C applies to all printers in this table.</b>		

### Features

- Direct Thermal 203 dpi Resolution
- 68" Maximum Print Length
- 4.25" Maximum Print Width
- Compatible with "Create a Label" for easy label design
- Includes one starter roll of 4" x 4" labels
- RS-232 Scale Interface
- Label Gap Sensor
- Heavy Duty ABS construction, suitable for **Non-washdown** applications
- USB 2.0 PC Interface (drivers included)
- 2 MB User Storage
- Includes label peeler

### Specifications

#### Print Speed

2" - 4" IPS

#### Media

Label roll O.D.: Maximum - 5", Core Diameter: 1" - 1.5"

#### Interface

DB-9 Serial port and USB 2.0

#### Memory

Standard: 4 MB / 8 MB SDRAM

#### Power

100~240VAC, 50/60 Hz

#### Environment

Operation Temperature: 40° F to 104° F

#### Printer Dimensions

Length: 8.58" Height: 6.53" Width: 6.61"

#### Printer Language

EZPL

#### Resident Fonts

11 resident alphanumeric fonts

#### Barcode Formats

Code 39, Code 93, Code 128 (subset A,B,C), UCC 128, UCC/EAN-128 K-Mart, UCC/EAN-128, UPC A / E (add on 2 & 5), I 2 of 5, I 2 of 5 with Shipping Bearer Bars, EAN 8/13 (add on 2&5), Codebar, Post NET, EAN 128, DUN 14, MaxiCode, HIBC, Plessey, Random Weight, Telepen, FIM, RPS 128, PDF417 & Datamatrix Code, QR Code

### Requirements

- Windows PC for Label Design (Programmable via USB Port)
- 2200 Series or Excel Series for Pre-loaded Sample Labels

### Options and Replacement Parts

<b>Scale to Printer Cable (10ft Length - RS-232 9 Pin Male "D" Connector)</b> (Part#: EXOPT148)	\$75
<b>Replacement Power Transformer</b> (Part#: PRT0055)	\$65
<b>4" x 4" Label Stock (1 Roll of 700 Labels)</b> (Part#: PRT0010)	\$35
<b>Custom Label Formatting</b>	Call for Quote

**Discount level C applies to all options and replacement parts.**



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# PRINTERS

## Barcode Label Printer

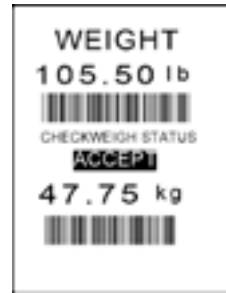
### Standard Preloaded Label Formats:



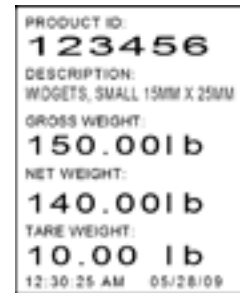
Weight



Accumulation



Checkweigh



2200 Series

### Custom Label Formats:

Use this worksheet to detail your customer's application and then contact our sales department at 1-800-262-6844 for a scale and printer quote. The scale / printer package will arrive ready to go to work.

#### Doran scale to be used with the printer:

PC400    PC500    4300    7000XL    7400  
8000XL    2200    2200CW    FC6300

#### Label Size

2" x 1"    2" x 2"    2" x 3"    2" x 4"  
4" x 1"    4" x 2"    4" x 3"    4" x 4"  
4" x 5"    4" x 6"    Other \_\_\_\_\_

#### Data to be Printed on the Label

Weight Only                    HR    BC    Both  
Weight & Current Units        HR    BC    Both  
Weight & Multiple Units       HR    BC    Both  
Motion Status                 HR    BC    Both  
Gross/Net Tare (2200 Only)    HR    BC    Both  
ID & Description (2200 Only) HR    BC    Both  
Other \_\_\_\_\_                HR    BC    Both

#### Type of Barcode

Code 39                         Code 128C  
Code 128A                       Code 128B  
Code 128 Auto Switching      Code EAN128  
Code Interleaved 2 of 2        UPC  
Interleaved 2 of 5 mod 10  
Other \_\_\_\_\_

#### Print Condition

Print on Demand - Press PRINT Button  
Auto Print - First Stable Non-zero Weight  
Auto Print - Last Stable Non-zero Weight  
Auto Print - Any Stable Weight

#### Illustrate Your Custom Label Format Request



# PRINTERS

## Paper Tape Printer

### Key Selling Points:

- High Speed Impact Receipt Printer
- Ideal for Extreme Environments
- 25% Faster Printer
- Drop-in Paper Loading



Model #	Description	Price*
PRT0351	Paper tape printer only	\$525
PRT0351-C	Paper tape printer and a 10' long scale to printer cable. (RS-232 25 Pin Male "D" Connector)	\$600

**\*Discount level C applies to all printers in this table.**

### Features

- 5 Lines per second print speed
- 2.5" Maximum Print Width
- Supports multiple baud rates
- Drop-in paper loading

### Specifications

#### Print Speed

5 lines/sec

#### Media

Paper tape roll - 3" Width

#### Interface

DB-9 Serial port and USB 2.0

#### Print Method

9-pin serial impact dot matrix

#### Printer Dimensions

Length: 9.57" Height: 5.91" Width: 6.14"

#### Emulation

Epson TM-U200, Citizen iDP-3540, Star SP200

#### Power

100~240VAC, 50/60 Hz

#### Environment

Operation Temperature: 40° F to 104° F

### Requirements

- Doran scale with a data output cable.

Discount level C applies to all options and replacement parts.



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Effective March 30, 2013



# FC6300 Formula Control Scale

**Key Selling Points:**

- Guaranteed Ingredient Savings
- Consistent Scaling Equals Consistent Product
- Ensures Employee Accountability
- Fast, Accurate, and Easy Lot Traceability



Model #	Pounds Cap. x Res.	Kilograms Cap. x Res.	Ounces Cap. x Res.	Base Size	Price*
FC63100SP/1818	100 x 0.01	45 x 5g	1600 x 0.2	18" x 18"	\$8,995
FC63150SP/1818	150 x 0.01	68 x 5g	2400 x 0.2	18" x 18"	\$8,995
FC63250SP/1818	250 x 0.02	113 x 10g	4000 x 0.5	18" x 18"	\$8,995
FC63500SP/1818	500 x 0.05	227 x 20g	8000 x 1	18" x 18"	\$8,995
FC63100SP/1824	100 x 0.01	45 x 5g	1600 x 0.2	18" x 24"	\$9,125
FC63150SP/1824	150 x 0.01	68 x 5g	2400 x 0.2	18" x 24"	\$9,125
FC63250SP/1824	250 x 0.02	1113 x 10g	4000 x 0.5	18" x 24"	\$9,125
FC63500SP/1824	500 x 0.05	227 x 20g	8000 x 1	18" x 24"	\$9,125
FC63100SP/2424	100 x 0.01	45 x 5g	1600 x 0.2	24" x 24"	\$9,395
FC63150SP/2424	150 x 0.01	68 x 5g	2400 x 0.2	24" x 24"	\$9,395
FC63250SP/2424	250 x 0.02	113 x 10g	4000 x 0.5	24" x 24"	\$9,395
FC63500SP/2424	500 x 0.05	227 x 20g	8000 x 1	24" x 24"	\$9,395

**\*Discount level C applies to all scales in this table.**

## Second Scale Base

**Key Selling Points:**

- Interfaces with the FC6300 Formula Control Scale
- Stainless Steel Construction
- Includes Second Scale Input



Model #	Pounds Cap. x Res.	Kilograms Cap. x Res.	Ounces Cap. x Res.	Base Size	Price*
DXL7002/88-FC	2 x 0.0002	0.9 x 0.1g	32 x 0.005	8" x 8"	\$855
DXL7005/88-FC	5 x 0.0005	2.3 x 0.2g	80 x 0.01	8" x 8"	\$855
DXL7002-FC	2 x 0.0002	0.9 x 0.1g	32 x 0.005	10" x 10"	\$855
DXL7005-FC	5 x 0.0005	2.3 x 0.2g	80 x 0.01	10" x 10"	\$855

**\*Discount level C applies to all scales in this table.**

# FC6300

## Formula Control Scale

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### Digital Weight Indicator Only Option

Model FC6300 Digital Weight Indicator & Formula Loader Windows based software (Part#: FC6300)..... \$7,595

### Barcode Scanner Options

Heavy Duty Barcode Scanner (Rated IP65) (Part #: 63OPT10) ..... \$1,345



Includes:

Barcode wand with 12' long cable, factory wired into the Model FC6300.

#### **Decoding Capability**

- Codabar
- Code 93
- Code 128
- Code 128 add-ons
- Code 128ISBTU
- EAN128
- MSI/Plessey
- Standard 2 of 5
- UPC/EAN/JAN
- PDF-417
- Italian Pharmacode 39
- P2/P5 add-ons
- RSS-14
- RSS Expanded
- Interleaved 2 of 5

### Column Options

Upgrade from a 20" to a 30" Column (Part#: EXOPT134)..... \$175

### Stainless Steel Table

Stainless Steel Table with Casters (Part#: ENC0907)..... Call for Quote

### Second Scale Platform

Second Scale Platform Option (Part#: 63OPT26)  
(Includes scale input and load cell watertight - Does not include a scale platform.) ..... \$295

### Communications and Data Output Options

Weatherproof Ethernet Junction Box 1/2" Conduit (Part#: 63OPT19)..... \$210

Weatherproof Ethernet Junction Box 3/4" Conduit (Part#: 63OPT20)..... \$210

High Flex, Ethernet Patch Cable, 5M/16.4 ft & Mating IP67 Connectors (Part #: 63OPT21)..... \$125

#### **Weatherproof Ethernet Junction Box**

Includes washdown safe mating connector for Ethernet Patch Cable.



#### **High Flex, Ethernet Patch Cable**

Features IP67 Rated connectors.



Wireless Ethernet - 802.11b (Part #: 63OPT01) ..... (Available Fall 2013)

Waterproof, Wireless Keyboard (PC Keyboard - Battery Powered - Rated IP68) (Part #: 63OPT22) ..... \$195

Discount level C applies to all options and replacement parts.

# FC6300 Formula Control Scale

## FomulaLoader Software Options

<b>Production Scheduler Module</b> (Part#: 63OPT12) .....	\$995
<b>SQL Database Module</b> (Part#: 63OPT13) .....	\$995
<b>QC Weigh Software</b> (Part #: SFT0006) .....	\$1295
<b>Park and Retrieve</b> (Part #: 63OPT25).....	\$995

## ERP System Integration

**Available, Requires Ethernet Communication** (Part#: 63OPT14) ..... Call for Quote

## Onsite Support, Installation, and Training

**Onsite Support, Installation, and Training** (Daily Rate - 8 Hours - 8-5 PM) (Part#: 63OPT15) ..... \$995  
Please note: This item's price is the net price, discount does not apply.

## Printer Options

<b>Thermal Label Printer (non-washdown) and Printer Cable</b> (Part#: 63OPT23).....	\$675
<b>4" x 4" Thermal Label Stock (1 Roll of 700 Labels)</b> (Part#: PRT0010).....	\$35
<b>Paper Tape Printer (non-washdown) and Printer Cable</b> (Part#: 63OPT24).....	\$675
<b>Stainless Steel Printer Enclosure</b> (Part #: 63OPT50).....	\$1,200



**Thermal Label Printer  
Part#: 63OPT23**



**Paper Tape Printer  
Part#: 63OPT24**

**Discount level C applies to all options and replacement parts.**



# Medical Scales

## Infant Scale



DS4050



DS4100



DS4200



DS4300

Model #	Description	Cap. x Res.	List Price	Net Price
DS4050	Infant Scale	44 lb x 0.5 oz (20 kg x 10 g)	\$214.17	\$128.50
DS4100	Infant Scale	45 lb x 0.2 oz (20 kg x 5 g)	\$370.83	\$222.50
DS4200	Infant Scale with Integrated Baby Seat	45 lb x 0.2 oz (20 kg x 5 g)	\$541.25	\$324.75
DS4300	Neonatal Scale (Available 2nd Qtr 2013)	44 lb x 0.005 lb (20 kg x 0.002 kg)	\$1500	\$900

## Infant Scale Options

	List Price	Net Price
Infant Carrying Case (for DS4100 Scale Only) (Part#: DS4100-C).....	\$77.14	\$54.00
AC Adapter - 110 VAC, IL, ULc Approved (Part#: XFR0049).....	\$27.00	\$18.90
AC Adapter - 230 VAC, CE Approved (Part#: XFR0059).....	\$27.00	\$18.90

## Digital Physician's Scale



DS2100



DS5100

Model #	Description	Cap. x Res.	List Price	Net Price
DS2100	Mechanical Physician's Scale	450 lb x 4 oz (200 kg x 100 g)	\$204.17	\$122.50
DS5100	Digital Physician's Scale	500 lb x 0.1 lb (227 kg x 0.05 kg)	\$561.67	\$337

## Digital Physician's Scale Options

	List Price	Net Price
Replacement Height Rod (Part#: MSC0265).....	\$60	\$42



# Medical Scales

## Remote Indicator Scale



Model #	Description	Cap. x Res.	List Price	Net Price
DS6100	Remote Indicator Scale	500 x 0.2 lb (227 x 0.1 kg)	\$375	\$292
DS6200	Remote Indicator Scale with Column	500 x 0.2 lb (227 x 0.1 kg)	\$608.33	\$327

## Remote Scale Options

	List Price	Net Price
Carrying Case (for DS6100 Scale Only) (Part#: DS6100-C).....	\$77.14	\$54
AC Adapter - 110-240 VAC, IL, ULc Approved (Part#: XFR0047).....	\$27.00	\$18.90
AC Adapter - 100-240 VAC, CE Approved (Part#: XFR0048).....	\$27.00	\$18.90
USB Option Includes USB Cable Factory Installed (Part#: DS6100-USB).....	\$51.43	\$36
RS-232 Option - Includes 9 Pin RS-232 Cable Factory Installed (Part#: DS6100-232).....	\$51.43	\$36

## Handrail Scales



DS7060



DS7100



DS7100-HR



DS7200

Model #	Description	Cap. x Res.	List Price	Net Price
DS7060	Handrail Scale	800 x 0.2 lb	\$1200	\$720
DS7100	Handrail Scale (Dual Handrails)	1000 x 0.1 lb (454 x 0.05 kg)	\$2,041.67	\$1,225



# Medical Scales

## Handrail Scales

Model #	Description	Cap. x Res.	List Price	Net Price
DS7100-HR	Handrail Scale with Integrated Height Rod	1000 x 0.1lb (454 x 0.05 kg)	\$2,250	\$1,350
DS7200	Handrail Scale (Single Handrail)	1000 x 0.1 lb (454 x 0.05 kg)	\$2,041.67	\$1,225

## Handrail Scale Options

	List Price	Net Price
AC Adapter - 110-240 VAC, IL, ULc Approved (Part#: XFR0047).....	\$27.00	\$18.90
AC Adapter - 100-240 VAC, CE Approved (Part#: XFR0048).....	\$27.00	\$18.90
USB Option Includes USB Cable Factory Installed (Part#: DS7100-USB).....	\$51.43	\$36.00
RS-232 Option - Includes 9 Pin RS-232 Cable Factory Installed (Part#: DS7100-232).....	\$51.43	\$36.00

## Chair Scale



Model #	Description	Cap. x Res.	List Price	Net Price
DS8150	Digital Chair Scale	550 x 0.2 lb (250 x 0.1 kg)	\$833.33	\$500

## Wheelchair Scale



Model #	Description	Cap. x Res.	List Price	Net Price
DS9100	Wheelchair Scale	1000 x 0.1 lb (454 x 0.05 kg)	\$2,708.33	\$1,625

## Wheelchair Scale Options

	List Price	Net Price
Second Ramp (Part#: DS9100-RAMP).....	\$321.43	\$225
AC Adapter - 110-240 VAC, IL, ULc Approved (Part#: XFR0047).....	\$27.00	\$18.90
AC Adapter - 100-240 VAC, CE Approved (Part#: XFR0048).....	\$27.00	\$18.90
USB Option Includes USB Cable Factory Installed (Part#: DS6100-USB).....	\$51.43	\$36.00
RS-232 Option - Includes 9 Pin RS-232 Cable Factory Installed (Part#: DS6100-232).....	\$51.43	\$36.00



# Medical Scales

## Height Rod / Stadiometer



Model #	Description	List Price	Net Price
DS1100	Height Rod/ Stadiometer - Plastic	\$103.33	\$62
DS1125	Table Height Rod / Stadiometer	\$85.83	\$51.50
DS1150	Height Rod / Stadiometer - Aluminum	\$145.83	\$87.50



## Infant Scale / Neonatal Scale Cart



Model #	Description	List Price	Net Price
DS4900	Infant Scale / Neonatal Scale Cart	\$1325	\$795

## Software



Automate data collection with Excelerator Data Collection software. Collecting patients' weight and BMI data from the scale is quick and easy with the optional USB or RS-232 interface. Connect the scale to a PC with Microsoft Excel installed and spreadsheets will be populated with data in real-time.

	List Price	Net Price
Excelerator Medical Version Data Collection Software (Part#: SFT002) .....	\$460.83	\$276.50

# Medical Scales

## Accessories



XFR0063 is shown above.



Part #	Description	List Price	Net Price
DSACC02 DSACC04 DSACC06 DSACC08	Growth Charts - Boys, Birth - 36 Months Growth Charts - Girls, Birth - 36 Months Growth Charts - Boys, 2 - 20 Years Growth Charts - Girls, 2 - 20 Years  Sold as packages containing 100 sheets.	\$156.43	\$109.50
DSACC12	BMI Calculator  Sold as one box containing five pieces.	\$100	\$70
DSACC14-5PACK	BMI Tape Measure Sold as a pack of five tape measures	\$83.93	\$58.75
XFR0062 XFR0063 XFR0064 XFR0065	International Power Supply - Japan International Power Supply - EU International Power Supply - UK International Power Supply - Australia	\$35.71	\$25
DSACC10	Head Circumference Measuring Tape  Sold as one box containing five dispensers packs. Each dispenser pack contains 15 measuring tapes.	\$225	\$157.50



# Standard Terms and Conditions of Sale

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1. **CONDITIONS OF SALE:** All orders for Doran Scales, Inc. products and services shall be subject to the terms and conditions listed below. No modification of these terms and conditions, or any other conditions will be recognized by Doran Scales, Inc. unless specifically agreed to in writing by an authorized representative of Doran Scales, Inc. The failure of Doran Scales, Inc. to object to provisions contained in any order or other communication from the purchaser shall not be construed as a waiver of these terms and conditions or an acceptance of such provisions.
2. **PRICES:** Prices are subject to CHANGE WITHOUT NOTICE. Orders placed (and released for shipment within 30 days) prior to the effective date of any increase will be protected for thirty (30) days from the date of that price increase.
3. **ERRORS:** All clerical errors are subject to correction.
4. **TAXES:** Any manufacturer's tax, use tax, sales tax, or tax or duty of any nature whatsoever, which may be assessed against this order, shall be added to the price quoted or invoiced and shall be paid by the purchaser. In the event Doran Scales, Inc. is required to pay such a tax or duty, the purchaser shall reimburse Doran Scales, Inc., or shall provide Doran Scales, Inc., at the time the order is submitted, with exemption certificates or other documents acceptable to taxing or customs authorities.
5. **CHANGE ORDERS:** Changes from the original specifications on which an accepted order or proposal is based, will not be accepted unless requested in writing and subject to the following conditions; in the event such change increases the cost of any product, including actual component cost and expenses incurred in modifying a partially or completely manufactured product, then such additional expenses shall be added to the original accepted price.
6. **PENALTIES AND DELAYS:** No penalty clause of any kind shall be effective unless specifically approved in writing by an authorized representative of Doran Scales, Inc. Doran Scales, Inc. shall not be liable for any damage caused by delays beyond Doran Scales, Inc. control. This includes, with limitation, fire, strike, Act of God, transportation failures, or inability to obtain labor, material or manufacturing facilities. In the event of such a delay, the date of delivery shall be extended for a period equal to the time lost by reason of the delay.
7. **CANCELLATION:** Any order or contract may be canceled by the purchaser only upon payment of the reasonable charges based upon expenses already incurred and commitments made by Doran Scales, Inc. All orders for baggage scales are non-cancelable and non-returnable.
8. **DELIVERY:** Doran Scales, Inc. products are shipped F.O.B. Batavia, Illinois. Delivery dates are approximate and are based on prompt receipt of all necessary information from the purchaser. Delivery will be made and title will pass F.O.B. point of shipment to the purchaser. Risks of loss or damage pass to the purchaser on shipment.
9. **DAMAGE OR LOSS IN SHIPMENT:** Great care is taken in the packaging of Doran Scales, Inc. products. Doran Scales, Inc. is not responsible for damage or loss in transit and all such claims must be made by the purchaser direct to the carrier. The receiver is responsible for making a notation of damaged or missing items when signing the carrier's delivery receipt. If you or your customer are not sure whether or not there is damage, we suggest adding a statement "CONDITION UNKNOWN" to the delivery receipt. In the event that damage or missing items are not properly documented at the time of receipt, the carrier is relieved of responsibility and the receiver is then responsible for the cost to get the product back to new condition. After the damage or shortage has been properly noted with the carrier, contact Doran Scales immediately and keep all the original packaging material for inspection by the carrier's representative.

When drop shipping to your customers, it is imperative that you advise them of their responsibility in accepting shipments from common carriers. Even if the equipment is not expected to be installed or used for a period of time, the shipment must be inspected at time of receipt in order to preserve their rights in making a claim.

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# Standard Terms and Conditions of Sale

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10. PAYMENT TERMS: Doran Scales, Inc. payment terms are NET 30 days to qualified dealers. Initial orders prior to credit approval will be sent C.O.D. or pre-paid. When invoices become 15 days past due a credit hold will be imposed and shipments will be put on hold. A reasonable credit limit will be enforced until a reasonable credit record has been established. Failure to maintain a favorable credit record will result in reverting to a C.O.D. or pre-payment status. Doran Scales, Inc. reserves the right to require a 50% down payment on special orders or orders over a customer's established credit limit.
11. MINIMUM PUBLISHABLE PRICE POLICY: The purchaser of Doran Scales Inc. products shall not publish or allow its agents, employees, successors or assigns to publish prices for Doran Scales products whether in print, online, in catalogues or otherwise that are less than Ninety Percent (90%) below the list price of such products from time to time published by Doran Scales Inc. This policy does not apply to the PC-400 or the PC-500 portion control scales.
12. SPECIFICATIONS: Specifications are subject to change without notice.
13. GOVERNING LAW: These Standard Terms and Conditions of Sale shall be interpreted, construed and governed by and under the internal laws of the State of Illinois.

# Standard Product Limited Warranty

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Doran Scales, Inc. (the "Company") warrants that all products manufactured or sold by the Company for industrial use ("Products") shall be free from defects in material and workmanship for a period of two (2) years from the date of original shipment from the Company (the "Warranty Period"). Any Product found to be defective within the Warranty Period may be returned to the Company, freight prepaid, with prior return authorization and proof of purchase showing date of original sale. If the Product is defective in workmanship or material, the Company will, at its option, repair or replace such Product with an equivalent Product. This Standard Product Limited Warranty (the "Warranty") is subject to the following conditions:

- i. Buyer must promptly notify the Company, in writing, of the nature of the claimed defect. Buyer must obtain a written return authorization prior to shipping any Product to the Company. Any Product returned to the Company without a written return authorization shall be sent back to Buyer at Buyer's expense.
- ii. Within the first ninety (90) days of the Warranty Period, the Warranty will cover up to two (2) hours of travel time, up to one (1) hour of labor, and the parts to perform work covered by the Warranty at Buyer's facility, provided that the work is performed by the authorized distributor from whom the Product was purchased. If any other authorized distributor performs the work, only the cost of parts will be covered. If the product is shipped to the Company, the cost of parts and labor will be covered. Doran will not cover labor and travel time higher than our standard authorized distributor warranty rates.
- iii. After the first ninety (90) days of the Warranty Period, this Warranty covers the cost of parts only. Buyer may have the Warranty work done as follows:
  - By shipping the Product to the Company together with the written return authorization issued by the Company and proof of purchase showing date of original sale; or
  - By arranging with an authorized distributor to have the work done.
- iv. This Warranty does not cover work done or parts installed by any person or entity other than the Company or an authorized distributor.
- v. The Buyer is responsible for shipping the Product to the Company, freight pre-paid. If the Company determines that this Warranty applies and performs warranty work or replaces the Product, then Company shall be responsible for shipping the Product back to the Buyer, freight pre-paid. Any shipment costs other than standard ground or dock to dock delivery within the contiguous United States and Canada will be Buyer's responsibility.
- vi. Company is not responsible for any defects caused by any factor beyond Company's control including, by way of example, but not limited to, accident, misuse, power surge, lightning strike, negligent handling, improper installation, improper repair, improper testing, vandalism or sabotage. The determination of the cause of a defect or damage to a Product shall be made solely by the Company.
- vii. Any Product that has been modified or altered by any person or entity other than the Company or repaired by any person or entity other than Company or an authorized distributor shall not be covered by this Warranty.
- viii. This Warranty does not apply to Company's line of products for medical use.
- ix. Batteries are covered by this Warranty only for the first ninety (90) days of the Warranty Period. Any component of a Product that was manufactured by another party and is covered by a separate warranty is not covered by this Warranty.
- x. Company shall have a reasonable amount of time to repair or replace any Product covered by this Warranty.
- xi. Any defects or damage directly or indirectly caused by or resulting from the use of unauthorized replacement parts or components in the Product are not covered by this Warranty.
- xii. The decision as to whether a Product covered by the Warranty shall be repaired or replaced shall be made solely by the Company.

All warranty work by the Company or an authorized distributor shall be performed during normal business hours, on week days, excluding federal holidays.



# Standard Product Limited Warranty

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Company's liability under this Warranty is limited to the cost of repair or replacement of the Product covered by this Warranty. Company will not be liable for consequential or indirect damages, including but not limited to, loss of business or profits. Company will not be liable for damages to the Product, other equipment or personal property, or personal injury or death caused by or resulting from a defect covered by this Warranty or caused by or resulting from misuse, overload, accident, alteration, improper installation or unauthorized opening of the Product. Company will not be liable for any loss or consequential damages caused by or resulting from any errors or deficiencies in the functioning or performance of the Product. In no event will the Company's aggregate liability under this Warranty exceed the total price paid by the Buyer for any Product determined to be defective.

THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. THIS WARRANTY CONSTITUTES THE COMPANY'S SOLE AND EXCLUSIVE WARRANTY. ALL OTHER WARRANTIES, EXPRESS OR IMPLIED ARE HEREBY DISCLAIMED INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.



# Medical Scale Limited Warranty

Doran Scales, Inc. ("Doran") warrants Model XXXXXX ("Product") to be free from defects in material and workmanship for a length of time shown in Chart A on page 2 or at least one (1) year from date of shipment. Any Product found to be defective within this time period may be returned to Doran's factory, freight prepaid, with prior return authorization and proof of purchase showing date of original sale, for repair or replacement at no charge.

1. Buyer must promptly notify the Company, in writing, of the nature of the claimed defect. Buyer must obtain a written return authorization prior to shipping any Product to the Company. Any Product returned to the Company without a written return authorization shall be sent back to Buyer at Buyer's expense.
2. This Warranty does not cover work done or parts installed by any person or entity other than the Company or an authorized distributor.
3. The Buyer is responsible for shipping the Product to the Company, freight pre-paid. If the Company determines that this Warranty applies and performs warranty work or replaces the Product, then Company shall be responsible for shipping the Product back to the Buyer, freight pre-paid. Any shipment costs other than standard ground or dock to dock delivery within the contiguous United States and Canada will be Buyer's responsibility.
4. Company is not responsible for any defects caused by any factor beyond Company's control including, by way of example, but not limited to, accident, misuse, power surge, lightning strike, negligent handling, improper installation, improper repair, improper testing, vandalism or sabotage. The determination of the cause of a defect or damage to a Product shall be made solely by the Company.
5. Any Product that has been modified or altered by any person or entity other than the Company or repaired by any person or entity other than Company or an authorized distributor shall not be covered by this Warranty.
6. Batteries are covered by this Warranty only for the first ninety (90) days of the Warranty Period. Any component of a Product that was manufactured by another party and is covered by a separate warranty is not covered by this Warranty.
7. Company shall have a reasonable amount of time to repair or replace any Product covered by this Warranty.
8. Any defects or damage directly or indirectly caused by or resulting from the use of unauthorized replacement parts or components in the Product are not covered by this Warranty.
9. The decision as to whether a Product covered by the Warranty shall be repaired or replaced shall be made solely by the Company.

Company's liability under this Warranty is limited to the cost of repair or replacement of the Product covered by this Warranty. Company will not be liable for consequential or indirect damages, including but not limited to, loss of business or profits. Company will not be liable for damages to the Product, other equipment or personal property, or personal injury or death caused by or resulting from a defect covered by this Warranty or caused by or resulting from misuse, overload, accident, alteration, improper installation or unauthorized opening of the Product. Company will not be liable for any loss or consequential damages caused by or resulting from any errors or deficiencies in the functioning or performance of the Product. In no event will the Company's aggregate liability under this Warranty exceed the total price paid by the Buyer for any Product determined to be defective.

THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. THIS WARRANTY CONSTITUTES THE COMPANY'S SOLE AND EXCLUSIVE WARRANTY. ALL OTHER WARRANTIES, EXPRESS OR IMPLIED ARE HEREBY DISCLAIMED INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

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# Medical Scale Limited Warranty

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Chart A - Medical Scale Warranty Duration	
DS4100 DS4200 DS5100 DS6100 DS7100 DS7100-HR DS7200 DS9100	3 Years
DS4050 DS8150 DS1100 DS1125 DS1150	2 Years
DS2100 PC-400 PC-500	1 Year
DSACC10 DSACC12 DSACC14 Wall Mount Transformers Communications Options Batteries Carrying Cases	90 days

# Service and Warranty Policy

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## Return Policy:

1. No returns will be accepted after 30 days after the invoice date.
2. All returns must have an RMA number marked clearly on the outside of the box.
3. Unless product is returned in new condition within 30 days, returned product will be subject to a minimum 15% restocking fee. The restocking fee is based upon the amount of time and material required to return the item to resalable condition. A restocking fee will be quoted upon the evaluation of the returned equipment.
4. Items that cannot be returned:
  - Equipment that has been used or shows excessive wear and cannot be reconditioned and resold will not be accepted for return or credit.
  - Equipment that does not contain the original components unless there is an RMA or parts order history with Doran.
  - Electronic components returned in improper packaging. All electronic components must be shipped in packaging that protects against electrostatic discharge (ESD)
  - Non catalog, special order or modified product
  - Special software
  - Opened software packages
  - Airline baggage scales

## Repair Policy:

1. Every repair must have an RMA number clearly marked on the outside of the box.
2. Hourly rate for repairs is \$85 / hour.
3. Once evaluated, the service department will contact you with a repair cost before repairs are made.
4. A \$50 evaluation charge will be issued for product not repaired, plus the cost of shipping if returned. The evaluation charge will be waived if a similar new product is purchased by the end user in lieu of repair.
5. If the cost of repair is 50% or greater than the cost of a new product, you will be contacted to explore if a new product purchase is a better fit than a repair for your customer.

## IS Repair Policy:

Field repair or modification of all intrinsically safe equipment will void all warranties expressed or implied and void FM approval.

Continued on next page



# Service and Warranty Policy

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## Obtaining an RMA:

1. Contact our technical support team for an RMA number.
2. Clearly write the RMA number on the outside of the box before returning to Doran.
3. If an RMA is being issued for a warranty evaluation, a \$50 evaluation charge, plus the cost of shipping if returned will be issued if the product is found not to be covered under warranty.
4. If the product returned is for evaluation and repair, a \$50 evaluation charge, plus the cost of shipping if returned will be issued for product not repaired. The evaluation charge will be waived if a similar new product is purchased by the end user in lieu of repair.

## Warranty Duration - Industrial

7000XL 4300 DSS Bases 8000XL 2200 DXL Bases 7400 2200CW FC6300	<b>2 Years</b>
DS100 DBS PC400 DS100-BM SIL Bases 8000IS DS100-BR PC500	<b>1 Year</b>
Rechargeable Batteries Replacement Parts	<b>90 Days</b>
Service Repairs	<b>90 Days</b> <b>Product must be returned to Doran for evaluation.</b>

## Warranty Duration - Medical

DS4100 DS6100 DS7200 DS4200 DS7100 DS9100 DS5100 DS7100-HR	<b>3 Years</b>
DS4050 DS1125 DS8150 DS1150 DS1100	<b>2 Years</b>
DS2100 PC-400 PC-500	<b>1 Year</b>
DSACC10 Wall Mount Transformers DSACC12 Communications Options DSACC14 Batteries Carrying Cases	<b>90 Days</b>

# Warranty Claim Procedure

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## Warranty Claim Procedures

1. If you have determined that a possible warranty claim exists, please remind the customer that the parts must be inspected at the factory for the final determination if the malfunction is covered under warranty. You must be prepared to bill the customer for your time if Doran does not find faults with the returned product that is covered under the warranty.
2. All claims must be submitted within thirty (30) days from the date the work is completed.
3. The warranty claim form (on the next page) must be completely filled out and submitted to the Doran tech team for review and approval.
4. Defective parts must be returned to the factory for evaluation. An RMA is required for any returned items.
5. If the returned item is not covered under warranty a \$50 evaluation fee will be charged.
6. Warranty claims are only honored for authorized distributors with an open account.
7. Service repairs performed in the field can not be be reimbursed.
8. Warranty claims can only be submitted for indictators, bases, and scales. Replacement parts are exempt from warranty claims.

## Warranty Repair Rates:

As stated in the warranty: Within 90 days of scale installation, only the dealer who sold the scale can submit a warranty claim for labor and travel time performed by their employees. Any costs beyond these rates and allowable times will not be honored.

Labor – \$40 per hour

Travel time – \$35 per hour

The maximum amount of labor is 1 hour per warranty claim for load cell, touchpanel or motherboard replacement.

The maximum amount of travel time is 2 hours per warranty claim.

Continued on Next Page



# Warranty Claim Procedure

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Dealer		Customer	
Contact			
Address		Address	
City		City	
State, Zip		State, Zip	

Scale Model Number	Date Problem Found
Scale Serial Number	Date Factory Contacted
Date Installed	Number of Trips Required
Sales Order Number	Date Service Performed
Number of Service Hours	Factory Contact
Number of Travel Hours	Warranty Invoice # to Doran
RMA Number(s) of Returned Parts	Amount
Description of Problem and Parts Replaced:	Action Taken and Result:

# Shipping Weights / Box Sizes

**Scale Series:** 2200, APS2200, 7000XL, APS7000XL, 7400, and APS7400

Base Size	Carton Size Box 1	Shipping Weight (lbs) Box 1	Carton Size Box 2	Shipping Weight (lbs) Box 2
10" x 10"	16" x 16" x 18"	21	N/A	N/A
12" x 12"	16" x 16" x 18"	26	N/A	N/A
15" x 15"	19" x 19" x 16"	41	N/A	N/A
15" x 15"	19" x 19" x 16"	41	14" x 15" x 28"	30
18" x 18"	23" x 23" x 14"	69	14" x 15" x 28"	30
18" x 24"	28" x 23" x 14"	75	14" x 15" x 28"	30
24" x 24"	28" x 28" x 14"	86	14" x 15" x 28"	30

**Scale Series:** 8000XL and APS8000XL

Base Size	Carton Size Box 1	Shipping Weight (lbs) Box 1	Carton Size Box 2	Shipping Weight (lbs) Box 2
10" x 10"	16" x 16" x 18"	24	N/A	N/A
12" x 12"	16" x 16" x 18"	29	N/A	N/A
15" x 15"	19" x 19" x 16"	43	N/A	N/A
15" x 15"	19" x 19" x 16"	43	14" x 15" x 28"	30
18" x 18"	23" x 23" x 14"	73	14" x 15" x 28"	30
18" x 24"	28" x 23" x 14"	79	14" x 15" x 28"	30
24" x 24"	28" x 28" x 14"	94	14" x 15" x 28"	30

**Scale Series:** 2200CW, APS2200CW, 4300 and APS4300

Base Size	Carton Size Box 1	Shipping Weight (lbs) Box 1	Carton Size Box 2	Shipping Weight (lbs) Box 2
10" x 10"	20" x 15" x 21"	30	N/A	N/A
12" x 12"	20" x 15" x 21"	30	N/A	N/A
15" x 15"	24" x 19" x 20"	51	N/A	N/A
15" x 15"	19" x 19" x 16"	41	14" x 15" x 28"	30
18" x 18"	23" x 23" x 14"	69	14" x 15" x 28"	30
18" x 24"	28" x 23" x 14"	75	14" x 15" x 28"	30
24" x 24"	28" x 28" x 14"	86	14" x 15" x 28"	30

**Scale Series:** MVP Without a Column

Base Size	Carton Size Box 1	Shipping Weight (lbs) Box
18" x 18"	23" x 23" x 14"	61
18" x 24"	28" x 23" x 14"	67
24" x 24"	28" x 28" x 14"	84



# Shipping Weights / Box Sizes

## Scale Series: MVP with a 20" Tall Column

Base Size	Carton Size Box 1	Shipping Weight (lbs) Box 1	Carton Size Box 2	Shipping Weight (lbs) Box 2
18" x 18"	23" x 23" x 14"	61	15" x 14" x 28"	11
18" x 24"	28" x 23" x 14"	67	15" x 14" x 28"	11
24" x 24"	28" x 28" x 14"	84	15" x 14" x 28"	11

## Scale Series: MVP with a 36" Tall Column

Base Size	Carton Size Box 1	Shipping Weight (lbs) Box 1	Carton Size Box 2	Shipping Weight (lbs) Box 2
18" x 18"	23" x 23" x 14"	61	15" x 15" x 48"	60
18" x 24"	28" x 23" x 14"	67	15" x 15" x 48"	60
24" x 24"	28" x 28" x 14"	84	15" x 15" x 48"	60

## Scale Series: Indicators

Model #	Carton Size	Shipping Weight (lbs)	Model #	Carton Size	Shipping Weight (lbs)
DS100	13" x 11" x 7"	4	4300M	16" x 16" x 10"	12
2200	16" x 16" x 10"	12	7000XLM	16" x 16" x 10"	12
2200CW	16" x 16" x 10"	12	7400M	16" x 16" x 10"	12
2200PM	16" x 16" x 10"	12	8000XLM	16" x 16" x 10"	12

## Scale Series: DXL Bases

Base Size	Carton Size	Shipping Weight (lbs)
10" x 10"	16" x 16" x 9"	13
12" x 12"	16" x 16" x 9"	17
15" x 15"	19" x 19" x 16"	34

## Scale Series: DSS Bases

Base Size	Carton Size	Shipping Weight (lbs)
18" x 18"	23" x 23" x 14"	67
18" x 24"	23" x 28" x 14"	69
24" x 24"	28" x 28" x 14"	85

## Scale Series: DMS Bases

Base Size	Carton Size	Shipping Weight (lbs)
18" x 18"	23" x 23" x 14"	65
18" x 24"	23" x 28" x 14"	71
24" x 24"	28" x 28" x 14"	83



# Shipping Weights / Box Sizes

## Scale Series: PC-400

Model #	Carton Size	Shipping Weight (lbs)
All	13" x 9" x 5"	7

## Scale Series: PC-500

Model #	Carton Size	Shipping Weight (lbs)
All	17" x 13" x 9"	13

## DBS Doran Baggage Scale Series: Standard Base Design

### Main Display and Base

Base Size	Carton Size	Shipping Weight (lbs)
24" x 24"	28" x 28" x 9"	85

### Main Display, Remote Display, and Base

Base Size	Carton Size	Shipping Weight (lbs)
24" x 24"	28" x 28" x 9"	87

## DBS Doran Baggage Scale Series: Low-Profile Base Design

### Main Display and Base

Base Size	Carton Size	Shipping Weight (lbs)
29.5" x 32"	37" x 36" x 5"	112

### Main Display, Remote Display, and Base

Base Size	Carton Size	Shipping Weight (lbs)
29.5" x 32"	37" x 36" x 9"	87

Note: Doran Baggage Scales ship via truck only - F.O.B. Houston, TX or Batavia, IL

## DCS Doran Curbside Baggage Scale

Base Size	Carton Size Box 1	Shipping Weight (lbs) Box 1	Carton Size Box 2	Shipping Weight (lbs) Box 2
24" x 24"	28" x 28" x 14"	91	15" x 15" x 48"	60

## Printers

Model #	Carton Size	Shipping Weight (lbs)
PRT0350	10" x 10" x 10"	6
PRT0351	10" x 10" x 10"	6

## Scale Series: FC6300 Formula Control Scale

Base Size	Carton Size Box 1	Shipping Weight (lbs) Box 1	Carton Size Box 2	Shipping Weight (lbs) Box 2	Carton Size Box 3	Shipping Weight (lbs) Box 3
18" x 18"	28" x 28" x 9"	67	14" x 15" x 28"	60	16" x 16" x 16"	18
18" x 24"	28" x 28" x 9"	69	14" x 15" x 28"	60	16" x 16" x 16"	18
24" x 24"	28" x 28" x 9"	85	15" x 15" x 48"	60	16" x 16" x 16"	18

## Scale Series: FC6300 Second Scale Base

Base Size	Carton Size	Shipping Weight (lbs)
8" x 8"	16" x 16" x 10"	13
10" x 10"	16" x 16" x 10"	13



# Shipping Weights / Box Sizes

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## Medical Scales

Model #	Carton Size	Shipping Weight (lbs)	Model #	Carton Size	Shipping Wight (lbs)
DS4100	28" x 17" x 8"	13	DS6100-C	26" x 19" x 6"	7
DS4100-C	28" x 17" x 8"	7	DS7100	46" x 28" x 23"	60
DS5100	35" x 19" x 13"	36	DS9100	45" x 38" x 20"	120
DS6100	26" x 19" x 6"	21			

Notes:

- DS9100 Wheelchair scale ships via truck only.
- DS7100 Has a UPS dimensional weight of 153 lbs.

