

# **DORON**<sup>®</sup>

## Digital Weight Indicators







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Doran Scales offers a wide variety of Digital Weight Indicators for virtually any load cell scale system. From the powerful Doran 8600M with its 10 setpoints, accumulators and tares, to the basic and affordable Doran LC100M powered by 4 AA batteries, there's a Doran Indicator just right for your application. Of course, with every Doran Indicator you get our proven performance and reliability built over many years of supplying top quality scales - our 2 year warranty is proof of the

confidence we have in all of our products. The various models boast features which include stainless steel washdown safe enclosures, weight display in lb, kg, oz or even lb & oz, capability up to 8 load cells, quick and easy automatic calibration with as low as 10% of capacity, and much more. Every model is NTEP certified for legal for trade tasks, and are perfect for new or retrofit applications. Just look at these models and be assured you've made the right indicator choice - a Doran Digital Weight Indicator!

## General Purpose Models

### 7000XLM

Digital Indicator with Advanced Features

Doran's most popular stand-alone indicator, the 7000XLM provides all the features needed for most weighing applications. ZERO is used to clear the scale or tare a container weight; UNITS switches from lb - kg - grams - oz - lb & oz display; PRINT sends data to an external printer, PC, or other device. The touch panel "Picture Frame" design protects it from the rigors of heavy washdown. Anti-bounce filters keep the weight display rock solid stable.



### 7000M

Industry Standard Washdown Indicator

If simplicity is what you're after, the 7000M provides a basic weight display that's straightforward and easy to use. With only one button control, ZERO, using this meter is as easy as it gets - just press ZERO to tare a container and start weighing. Big, bright numbers present a clear weight display in English or Metric units. The space-saving tilt/adjust U-Bracket allows table or wall mount versatility. AC Powered

#### Common 7000 Series Features...

- lb, kg, g, oz or lb & oz display
- User Menu Features
- Automatic Calibration
- Approvals: NTEP Class III (5000d); Canadian W & M (5000d); USDA; UL/Canadian UL
- Universal Mount Bracket
- Drive Up to 4 Load Cells
- Anti-Bounce Filters

#### Common 7000 Series Options...

- 230 VAC Operation
- Raised Mount Bracket
- 1 Pc. Scale Brackets
- RS-232 Data Output

## Economy Model

### LC100M

Liquid Crystal Display  
(Battery or AC Powered)

The LC100 Indicator is intended for cost sensitive applications where basic weight indication is desired with minimal operator features. ZERO control is used to zero the scale and tare out a container. UNITS changes the weight from lb to kg. Power the LC100 by 4 AA batteries or the optional AC Battery Eliminator.



#### LC100M Features...

- lb or kg weight display
- Automatic Calibration
- Approvals: NTEP Class III (5000d); Canadian W&M (5000d)

#### LC100M Options...

- Universal Mount Bracket
- AC Adapter





## Full Featured Model



### 8600M Scale Indicator/Controller

The Doran 8600M is much more than a digital weight indicator. It fits needs from simple weighing to complex batching systems, and is easy to set up - and even easier to change features in the field. Up to 10 set points, each with pre-act, allow the 8600 to be used for batching, high/low bin control, automatic weigh fill systems or weight classifiers. Optional relays, both solid state and mechanical, can be used to control external valves, conveyors, etc. The 8600 even has a 93 command 76 step program memory which gives it PLC-like control capability. Digital Tare or Auto-Tare, accumulators, dual serial ports, EMI RFI filters, and many other features make the 8600 the choice for most any scale indicator application.

#### 8600M Features...

- lb, kg, g, oz, or lb & oz weight display
- "SET UP 8600" Software
- 0.8" high, 7 digit red LED Display
- Hostile Environment Protected
- 10 registers for Tare, Accumulator, Set Point, Pre-Act, ID & Counters

- Automatic Calibration
- Universal Mount Bracket
- Class III/IIIL NTEP to 10000d
- 2 Serial Ports, 1 bi-directional
- Quick Access Panel for Set-Up
- Power Up to 8 Load Cells

#### 8600M Options...

- External DC Power Option
- Column or Panel Mount Kit
- Rechargeable Battery Pack
- Analog or Digital Outputs
- RSS Wall Mount Enclosure
- External Relays

## Intrinsically Safe Model

### 8000IS

#### Digital Indicator For Hazardous Environments

The 8000IS Indicator is approved for all Factory Mutual hazardous area classes, divisions and groups. Mated to compatible FM load cells, the 8000IS forms a complete intrinsically safe scale system. The 8000IS is available with AC or Battery power. The rechargeable battery pack provides up to 100 hours of continuous operation - much longer when used in the "Auto Shutoff" mode. The battery charger is for safe area use - a spare battery can be kept on charge at all times, assuring continuous weighments.

#### 8000IS Features...

- lb, kg, oz or lb & oz weight display
- AC or Battery Powered Systems
- Approvals: NTEP Class III (3000d); Canadian W&M (6000d); USDA; Factory Mutual

#### 8000IS Options...

- Spare 8000BIS Battery Pack
- RS-232 Output



**Factory Mutual System**  
Approved

## Battery Power Model



### 8000XLM The Ultimate in Scale Versatility

The 8000XLM Indicator is available for use with any load cell base with up to 4 load cells. The New "Guardian" case design incorporates a new captured gasket design, a thicker stainless steel case, and a supertough control panel resulting in an indicator that is even more washdown safe than before. The sealed, self-contained battery inside the 8000XLM provides at least 60 hours of continuous use...even more when used in the "Auto-Shutoff" mode.

#### 8000XLM Features...

- lb, kg, g, oz or lb & oz weight display
- AC or DC Operation - 60 Hour Battery Life
- Self Contained Battery and Charger
- Scale Operates While Recharging
- Approvals: NTEP Class III (10000d); Canadian W&M (pending)

#### 8000XLM Options...

- RS-232 Output
- 230 VAC Operation
- Raised Mount Bracket



## Checkweigh Models

### 4300M Digital Weight and OVER-ACCEPT-UNDER

The new Model 4300M provides your customers with features found on the Model 4300 Over/Under Checkweigher. The exclusive "STABIL-IZER" software filter eliminates "bouncy display" caused by vibrations or air movements near the scale base. Set Over & Under tolerances right from the front panel using the Up/Down arrow buttons. Checkweigh to Zero or to actual weight, with 3 or 5 zone checkweigh capability. Easy open case - only 4 screws.

#### 4300M Features...

- lb, kg, g, oz or lb & oz display
- Super Tough Control Panel
- Bigger, Brighter Display
- Approvals: NTEP Class III (10,000d); Canadian W&M (10,000d)

#### 4300M Options...

- 230 VAC Operation
- Serial Data Output
- Remote Switch



### 4200M

#### Digital Bargraph for Checkweighing

With the Doran 4200M, you will know instantly-no guessing-whether the product being weighed is within your preset tolerance limits. The difference is the DIGIBAR®, the 4200's unique over/accept/under bar format, which is clear and understandable to even the first-time users. The Doran Model 4200M Digital BarGraph Checkweigher combines speed and precision with the flexibility of touch-panel programming.

#### 4200M Features...

- lb, kg, oz or lb & oz display
- Easy to read DigiBar® Bargraph
- Approvals: NTEP Class III(3000d)

#### 4200M Options...

- Serial/Parallel Data Interface
- 200 Product Memory
- Data Accumulator

## Weigh/Fill Model

### 8600FCS Powerful and Versatile Fill Control System

Let Doran solve your fill control application dilemmas. The Model 8600 FCS is loaded with features to provide a versatile controller that can be configured to match your weigh/fill needs. The 8600's 10 set points, each with preact and auto-adjust "Learn" mode, make it ideal for batching system, high/low bin level control, automatic weigh fill systems or weight classifiers. With the new "SET UP 8600" software, complex batching programs can be easily configured on a P.C. and then downloaded into the 8600FCS. The front panel features easy to read status indicating lights to insure accurate batching, as well as Start/Stop and Auto/Manual controls.

#### 8600FCS Features...

- Hostile environment protected
- Approvals: NTEP Class III/IIIL (10000d)
- RSS Wall Mount Enclosure



## Special Application Model

### 7000R OEM/Custom Scales

The Model 7000R is an ideal indicator where space is at a premium. The remote mount display panel is connected to the indicator via a ribbon cable giving you the freedom to configure the 7000R to meet your special application needs.

#### 7000R Features...

- lb, kg, g, oz or lb & oz display
- Remote display



**DORAN**<sup>®</sup>  
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