

# 590-00

BATTERY POWERED DIGITAL WEIGHT INDICATOR







### **RICE LAKE WEIGHING SYSTEMS**

Commitment Beyond Measurement™

www.rlws.com



## IQ | BATTERY POWERED DIGITAL WEIGHT INDICATOR

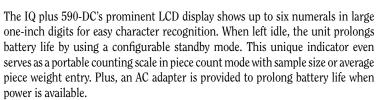


#### The IQ plus 590-DC... Easy Operation Anywhere, Anytime

Take full advantage of your weighing system with the IQ plus 590-DC. Featuring C-cell battery power and a full numeric keypad, this handy unit makes setup

and operation a snap! From tare entry to counting, the IQ plus 590-DC allows numeric entry directly from the keypad, saving time by eliminating the need to scroll and toggle.

The IQ plus 590-DC has a superior battery life of over 300 hours, meaning weeks or months of worry-free operation! And with a stainless steel NEMA 4X/IP66 enclosure, you can rely on top performance in any environment. It's the perfect solution for outdoor weighing systems, portable warehouse scales, and material handling applications.



In environments where vibration is a concern, the IQ plus 590-DC includes RATTLETRAP® three-stage digital filtering and selectable measurement rates. ensuring accurate weighments anywhere, anytime.

#### The Ultimate in Portability

The IQ plus 590-DC easily mounts where you need it and with the added benefit of battery operation, this digital weight indicator can go almost anywhere.

Your Rice Lake Weighing Systems distributor is:



#### Standard Features

- Full numeric keypad
- Keypad entry of piece weight, tare weight, calibration, and sample size
- Display tare button
- Portability with 6 C-cell alkaline batteries
- Three 300-character print ticket formats
- Power for four  $350\Omega$  load cells or eight  $700\Omega$  load cells
- Supports 4- and 6-wire load cell connections
- EDP port for full duplex, RS-232 communications
- NEMA 4X/IP66-rated stainless steel enclosure
- Large 1" (24.5mm), six-digit LCD display
- AC adapter for 115 or 230 VAC power
- Configurable standby mode to prolong battery life
- RATTLETRAP® three-stage digital filtering
- Configurable units multiplier
- Configurable analog to digital measurement rate
- Self-resetting thermal fuse

#### **Specifications**

Power: 9 VDC with 6 C-cell alkaline batteries or AC adapter

Power Consumption: <100mA

Display: 1" (24.5mm) 6-digit LCD display

Annunciators: Units (lb/kg), piece count mode (PC), gross, net, standstill, center of zero, tare, low battery

Keyboard: 19-key flat membrane panel

Full Scale Input Signal:

Up to 17mV **Excitation Voltage:** 

 $5\pm0.25$  VDC,  $4\times350\Omega$  or  $8\times700\Omega$  load cells Analog Signal Sensitivity: 0.3 µV/grad min 1.5 µV/grad recommended

Display Resolution: 100,000 dd Counting Capacity: 100,000 pieces

Measurement Rate: 30. 15. 7½. 3¼ per second System Linearity: Within 0.01% of full scale

Calibration Method: Front panel or software, constants stored in **EEPROM** 

Common Mode Voltage: 2.5 ± .25 VDC

Input Overload: ± 12 V continuous, static discharge protected

Circuit Protection: RFI, EMI, ESD protection on inputs

and interfaces

Digital Filter: Rattletrap® software filtering

Serial Communications:

EDP/Printer Port, Full duplex RS-232

Operating Temperature:

Dimensions:

-10° to 40°C/14° to 104°F (legal) -10° to 50°C/14° to 122°F (industrial)

9.0" x 6.5" x 3.0" (229mm x 166mm x 76mm fincludes battery compartment cover, does not

include stand or knobs])

Shipping Weight: 6.5 lb (2.95 kg)

Finish: NEMA 4X/IP66, stainless steel

#### Approvals



Class III/IIII



Class III/III HD







