



# 350

## DIGITAL CONTROLLER/INDICATOR

### *applications*

- ▶ General Industrial Weighing
- ▶ Laboratory Measurements
- ▶ Inventory Control & Monitor
- ▶ Process Control Interface
- ▶ Setpoint Control
- ▶ Checkweighing



350 Zinc Die Cast

350 Stainless Steel

### *features*



- Time and Date Clock
- Select Measurement Units
- LED or LCD Display
- Tare, Print & Zero
- AC or DC Operation
- Panel Mountable
- Serial Interface

### *Best of Breed Engineering Provides Unbeatable Performance and Quality*

- The Model 350 is available in two types of enclosure. One is a robust Zinc Die Cast enclosure protected by black powder coat paint. This IP65 enclosure is designed to be self-standing when placed on a flat surface, such as a desk or table.

The Stainless Steel enclosure is a universal mount designed to be fixed to any flat surface and rotated for easy viewing. This enclosure is sealed to NEMA 4X/IP66.

- Selectable weighing units allow for customized mode of measure depending on the application. Standard units of measure include lb, kg, oz, g, and lb-oz.
- The Model 350 is available with two types of display. The LED version provides 6-digit display of measured values in a bright green, 0.8" (22mm) height format. 11 LED annunciators indicate operational status continuously.

The LCD version also provides 6-digit weight display, in a 1" (25mm) height format. 11 LCD annunciators indicate continuous operational status, including an LCD checkweigh/sort bar.

- Remote inputs are accepted via digital inputs (switch closure) to operate the keypad functions for Tare, Print or Zero.
- The Model 350 may be customized with several additional options such as Isolated Analog Output, RS 485, 20mA Current Loop and Battery Operation.

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## performance

Display Range:	Selectable 0 to 999,990
Display Resolution:	100,000d
Internal Resolution:	20-bit A/D converter; 1,000,000d (+/- 500,000d)
A/D Conversion Rate:	60 Hz
Zero Tracking:	Off-10d (max)
Zero Range:	0-100% of Full Scale Span
Operating Temperature:	-10°C to +40°C
Warranty:	2 Years
Units of Measure:	kg, lb, grams, lb-oz, oz

## electrical

Power Requirement:	Zinc die cast enclosure: 12—26 VAC / 12—36 VDC Stainless steel enclosure: 90—250 VAC / 12-36 VDC
Excitation Voltage:	10 VDC
Max. Excitation Current:	180 mA, power (6) 350 ohm bridge
Signal Input Sensitivity:	0.1—20 mV/V
Signal Connection:	4 or 6 lead with sense leads

## process control

Outputs:	Selectable modes such as target and preact learn. Annunciators and baragraph (LCD only) indicate status on both the LED and LCD displays. Relay output module is optional (3 outputs).
Remote Input:	1 Momentary Contact Closure (100ms minimum); Tare, Print, or Zero

## communications

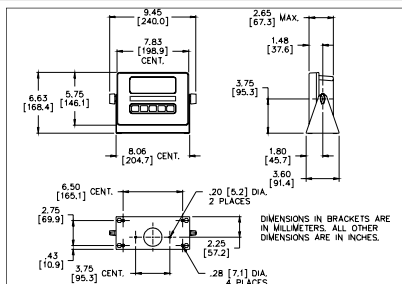
Port 1:	RS232 bi-directional
Data Output String:	Fourteen (14) selectable fixed-format transmissions available, 1 custom for mat (programmable via RS232)
Protocol:	Selectable
Baud Rate:	150-9600 bps

## options

Analog Output Module:	0-10 Vdc, 0-20 mA, 4-20 mA; Optically isolated; 16 bit; Mounts in enclosure
Relay Output Module:	Three (3) solid-state relays; 16 bit; Mounts in enclosure
Wall Mount:	Universal bracket (Stainless Steel Enclosure); Stand (Zinc die cast Enclosure)
Panel Mount Kit:	Custom fits zinc die cast enclosure to user's panel; Panel Cutout: 7.33" X 7.45"W x 5.25" - 5.37"h x 2.25"d (186.2—189.2mm x 133.4—136.4mm x 57.2mm)
Battery Operation:	Portable applications, includes battery and charging circuit
RS485 Module:	Isolated multi-drop w/251 devices max, half or full duplex up to 4000 feet, 9600bps max
20mA Current Loop:	Isolated TX-Active or Passive, RX-Passive, 9600 bps max, 12VDC, 1000 feet

## dimensions

MODEL 350 Digital Controller/Indicator in the Zinc Diecast Enclosure.



MODEL 350 Digital Controller/Indicator in the Stainless Steel enclosure.

