

480/480 Plus Legend™ Series

Digital Weight Indicator

Specifications

Power:

Line voltages: 115 - 230VAC
 Frequency: 50 or 60 Hz
 Power consumption: 70 mA at 115VAC,
 35 mA at 230VAC with (10) 350Ω load cells

Excitation Voltage:

5VDC, 10 x 350Ω load cells

Analog Signal Input Range:

±7 mV/V

Analog Signal Sensitivity:

0.1μV/graduation minimum,
 0.5μV/graduation recommended

Resolution:

Internal: 523,000 counts

Display:

100,000 displayed graduations

Measurement Rate:

Selectable 5, 10, 20, 40 Hz

System Linearity:

Within 0.01% of full scale

Circuit Protection:

Immunity 10V/m
 ESD ± 10 KV air ± 6 KV contact

RFI Protection:

Capacitor bypass and ESD suppressors

Serial Output:

Com 1: RS-232 full duplex
 Com 2: RS-232 full duplex or 20 mA simplex
 Both ports 1200, 2400, 4800, 9600, 19200, 38400 baud 7 or 8 data bits, even, odd or no parity

Display:

0.8 in (20 mm), 6-digit super red LED display, 7-segment digits

Status Annunciators:

Gross, Net, Center of Zero, Standstill, lb, kg, Tare, Preset Tare

Keyboard:

Flat membrane panel, embossed keys, tactile feel

Analog Output Option:

16-bit resolution, Voltage Output 0-10VDC, current output 0-20 mA / 4-20 mA

Relay Board Option:

(2) Opto-isolated, 5 to 24VDC, active high inputs
 (4) 30VDC, 2 Amp dry-contact relays,

Operating Temperature:

Legal: 14°F to 104°F (-10°C to 40°C)
 Industrial: 14°F to 122°F (-10°C to 50°C)

Weight:

6.4 lb (2.9 kg)

Rating/Material:

Enclosure: NEMA 4X/IP66, heavy gauge stainless steel

Warranty:

Two-year limited warranty

Approvals:

Measurement Canada AM-5892, Accuracy Class III/II/HD, 10 000d
 NTEP CC 12-123, Accuracy Class III/II/LL, 10 000d
 OIML R76/2006-NL1-12.48, T5692, TC8322 Accuracy Class III, 10 000d
 CE Marked
 UL Marked



APPROVALS



Measurement
 Canada
 Approved

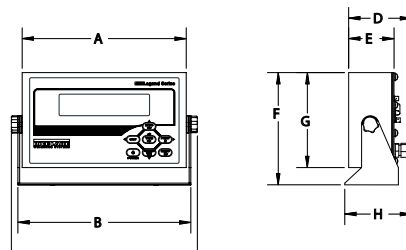


Standard Features

- Large 0.8 in LED display
- Time and Date, battery backed
- Nema 4X/IP66 stainless steel washdown enclosure
- Password protection for user and configuration changes
- Operator functions through menu key for Audit Trail, Preset Tare, Unit ID, Accumulator, Time & Date, Setpoints, Serial Communications, and Print Formats.
- Two independent serial ports, RS-232 and 20 mA
- Programmable ticket formats for Gross, Net, Accumulator, and Setpoints
- Local/Remote operation
- Hardware or Audit Trail sealed
- Filter settings for light, medium and heavy noise
- Selectable Conversion Rate and Display Update Rate
- Eight Setpoints, sequenced batch engine
- Configurable with Revolution software
- Numeric keypad
- Keyed entries for Tare and Setpoint values

Options

- Analog Output, 0-10VDC, 4-20 mA, selection for 20% Offset
- Relay output, two digital inputs, four dry contact relays (supports two boards)
- Battery, rechargeable Lithium Ion
- Ethernet TCP/IP and USB Interface



DIMENSIONS

A	9.50 in (241 mm)	E	2.75 in (70 mm)
B	10.00 in (254 mm)	F	7.00 in (177 mm)
C	11.00 in (279 mm)	G	6.00 in (152 mm)
D	3.65 in (92 mm)	H	3.75 in (95 mm)

480/480 Plus Legend Series

Digital Weight Indicator

Part Number/Price: 480

PART #	DESCRIPTION	WEIGHT	PRICE
480 115 VAC †			
126564	480 LED	8 lb	Consult
130338	480 LED, with Analog Output	8 lb	Consult
130340	480 LED, with Relay Output	8 lb	Consult
480 90-264 VAC ††			
126565	480 LED	8 lb	Consult
130339	480 LED, with Analog Output	8 lb	Consult
130341	480 LED, with Relay Output	8 lb	Consult

Part Number/Price: 480 Plus

PART #	DESCRIPTION	WEIGHT	PRICE
480 Plus 115 VAC †			
164588	480 Plus LED,	8 lb	Consult
164589	480 Plus LED, with Analog Output	8 lb	Consult
164590	480 Plus LED, with Relay Output	8 lb	Consult
480 Plus 90-264 VAC ††			
164591	480 Plus LED,	8 lb	Consult
164592	480 Plus LED, with Analog Output	8 lb	Consult
164593	480 Plus LED, with Relay Output	8 lb	Consult



†† CEE 7/7 plug
Euro plug



† NEMA 5-15 plug

Options/Accessories

PART #	DESCRIPTION	WEIGHT	PRICE
131340	Mounting bracket for option boards	1 lb	Consult
131341	Analog output, 0-10VDC, 4-20mA (requires 131340)	1 lb	Consult
131342	Relay board, 2 digital inputs, 4 dry contact outputs (requires 131340)	1 lb	Consult
164600	USB and Ethernet TCP/IP (requires 131340)		Consult
164604	Ethernet cable with cord grip, 6 feet		Consult
164602	USB cable with cord grip, Type A plug, 6 inches		Consult
164650	Battery kit, Rechargeable Litium Ion		Consult
151100	A/D sealing kit, used with Audit Trail Tracking	1 lb	Consult
151099	Panel mount bezel (not NEMA rated)	4 lb	Consult
83564	Clear protective overlay (package of five)	1 lb	Consult
77925*	Revolution scale software	1 lb	Consult
119201	Installation manual	1 lb	Consult
Primary Replacement Components			
131345	Overlay, 6-Key, red window	1 lb	Consult
131346	Display board, LED	1 lb	Consult
131316	Power supply, 85-265VAC	1 lb	Consult
131318	CPU board	1 lb	Consult
131319	A/D board	1 lb	Consult
159612	Overlay, 480Plus with numeric keys	1 lb	Consult

* Revolution can be downloaded for FREE at www.ricelake.com