



480 Legend Series Digital Weight Indicator



APPROVALS



Measurement
Canada
Approved



SPECIFICATIONS

Power:

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

Excitation Voltage:

5VDC, 10 x 350Ω load cells

Analog Signal Input Range:

4 mV/V

Analog Signal Sensitivity:

0.1uV/graduation minimum,
0.5uV/graduation recommended

Resolution:

Internal: 523,000 counts

Display:

100,000 displayed graduations

Measurement Rate:

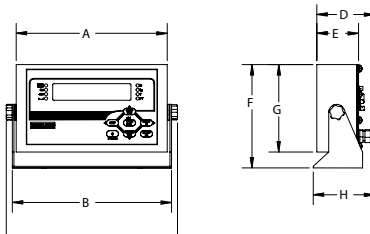
Selectable 5, 10, 20, 40 Hz

System Linearity:

Within 0.01% of full scale

Digital Inputs:

2 inputs (requires relay output option). Primary keys,
Pseudo functions, Batching functions



STANDARD FEATURES

- Large 0.8 in LED display
- Time and Date, battery backed
- Nema 4X/IP66 stainless steel washdown
- 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

OPTIONS

- Analog Output, 0-10VDC, 4-20 mA, selection for 20% Offset
- Relay output, 2 digital inputs, 4 dry contact relays NO (supports two boards)

SPECIFICATIONS

Circuit Protection:

Immunity 10V/m
ESD ± 10KV air ± 6KV 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

Relay Board Option:

(2) Opto-isolated, up to 24VDC, active low inputs
(4) 30VDC, 2 Amp dry contact relays,
NO and NC contacts

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/IIHD, 10 000d

NTEP CC 12-123.

Accuracy Class III/III, 10 000d

OIML R76/2006-NL1-12.48, T5692, TC8322
Accuracy Class III, 10 000d

CE Marked

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 Legend Series Digital Weight Indicators

PART NUMBER/PRICE

PART #	DESCRIPTION	WEIGHT	PRICE
126564	480-2A, 115-230VAC †	10 lb	Consult
126565	480-2A, 230VAC ††	10 lb	Consult
130338	480-2A with analog output, 115-230VAC † (Includes part numbers: 131340 & 131341)	10 lb	Consult
130339	480-2A with analog output, 230VAC †† (Includes part numbers: 131340 & 131341)	10 lb	Consult
130340	480-2A with relay board, 115-230VAC † (Includes part numbers: 131340 & 131342)	10 lb	Consult
130341	480-2A with relay board, 230VAC †† (Includes part numbers: 131340 & 131342)	10 lb	Consult

OPTIONS/ACCESSORIES

PART #	DESCRIPTION	WEIGHT	PRICE
131340	Mounting bracket for option boards	1 lb	Consult
131341	Analog output, 0-10VDC, 4-20mA	1 lb	Consult
131342	Relay board, 2 digital inputs, 4 dry contact outputs	1 lb	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

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



†† CEE 7/7 plug
Euro plug



† NEMA 5-15 plug