

# 480/480 Plus Legend™ Series

Digital Weight Indicator

## Specifications

**Power:**

Line voltages: 115 - 230VAC  
 Frequency: 50 or 60 Hz  
 Power consumption: 35 mA at 230VAC

**Excitation Voltage:**

5VDC, 10 x 350Ω load cells

**Analog Signal Input Range:**

±7 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

**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, 19.200, 38.400 baud seven or eight data bits, even, odd or no parity

**Display:**

20 mm, six-digit super red LED display, seven-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:**

Two opto-isolated, 5 to 24VDC, active high inputs  
 Four 30VDC, 2 amp dry-contact relays,

**Operating Temperature:**

Legal: -10° C to 40° C  
 Industrial: -10° C to 50° C

**Weight:**

3 kg

**Rating/Material:**

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

**Warranty:**

Two-year limited warranty

**Approvals:**

NTEP CC 12-123, Accuracy Class III/III, 10.000d  
 OIML T5692, TC8322 Accuracy Class III, 10.000d  
 CE Marked  
 RoHS



## Approvals

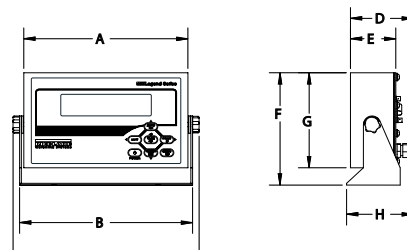


## Standard Features

- Large 20 mm LED display
- Time and date, battery backed
- Power sleep and wake-up threshold
- 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 and 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
- Adaptive filter or rolling average filter
- Selectable conversion rate and display update rate
- Eight setpoints, sequenced batch engine
- Configurable with Revolution® software
- Numeric keypad (480 Plus)
- Keyed entries for tare and setpoint values

## Options (Support 2 option cards)

- 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	241 mm	E	70 mm
B	254 mm	F	177 mm
C	279 mm	G	152 mm
D	92 mm	H	95 mm

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## Part Numbers: 480

PART #	DESCRIPTION	EST. SHIP WEIGHT
<b>480 90-264 VAC Euro Plug</b>		
126565	480 LED	4,5 kg
130339	480 LED, with analog output	4,5 kg
130341	480 LED, with relay output	4,5 kg

## Part Numbers: 480 Plus

PART #	DESCRIPTION	EST. SHIP WEIGHT
<b>480 Plus 90-264 VAC Euro Plug</b>		
164591	480 Plus LED	4,5 kg
164592	480 Plus LED, with analog output	4,5 kg
164593	480 Plus LED, with relay output	4,5 kg



CEE 7/7 plug  
Euro plug

## Options/Accessories

PART #	DESCRIPTION	EST. SHIP WEIGHT
131340	Mounting bracket for option boards	0,5 kg
131341	Analog output, 0-10VDC, 4-20mA (requires 131340)	0,5 kg
131342	Relay board, two digital inputs, four dry contact outputs (requires 131340)	0,5 kg
164600	USB and Ethernet TCP/IP (requires 131340)	0,5 kg
164604	Ethernet cable with cord grip, 2 meters	0,5 kg
164602	USB cable with cord grip, Type A plug, 152 mm	0,5 kg
164650	Battery kit, rechargeable lithium ion	0,5 kg
151100	A/D sealing kit, used with audit trail tracking	0,5 kg
151099	Panel mount bezel (not NEMA rated)	2 kg
83564	Clear protective overlay (package of five)	0,5 kg
77925*	Revolution® scale software	0,5 kg
119201	Installation manual	0,5 kg
<b>Primary Replacement Components</b>		
131345	Overlay, six key, red window	0,5 kg
159612	Overlay, with numeric keys, red window	0,5 kg
131346	Display board, LED	0,5 kg
131316	Power supply, 85-265 VAC	0,5 kg
131318	CPU board	0,5 kg
131319	A/D board	0,5 kg

\* Revolution can be downloaded for FREE at [www.ricelake.eu](http://www.ricelake.eu)