

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

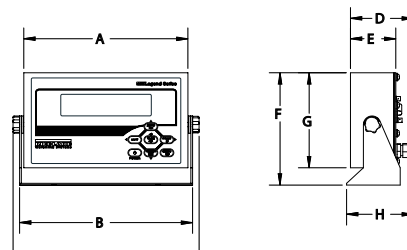


Standard Features

- 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

480/480 Plus Legend Series

Digital Weight Indicator

Part Numbers: 480

PART #	DESCRIPTION	EST. SHIP WEIGHT
480 90-264 VAC Euro Plug		
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
480 Plus 90-264 VAC Euro Plug		
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
Primary Replacement Components		
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