Summit® 3000
Low-Profile Floor Scale

Specifications

End Load Capacity:
   100% full scale at 2,000 lb and 5,000 lb
   80% full scale at 10,000 lb

Cable Length:
   20 ft (6.1 m) (for connecting junction box to indicator)

Warranty:
   Summit 3000 weldment and load cells two years, all other components one year

Approvals:
   NTEP CC 92-001A9, Class III 5,000 d
   Measurement Canada AM-5530, Class III 5,000 d

Standard Features

- 4 NTEP Certified alloy steel shear-beam load cells
- Top access junction box
- Rugged diamond safety tread plate steel deck
- 4 adjustable rigid polyurethane rubber feet, 3 in (76.2 mm) diameter
- Signal trim summing board housed in ABS enclosure
- Threaded eyebolt hole (1/2–20NF) located in center of the deck for easy lifting
- 20 ft of EL147 load cell cable

APPROVALS

NTEP | Measurement Canada Approved | F M APPROVED LOAD CELL

The load cell cable exits weldment toward the interior of scale, allowing flexibility to route it out any side of scale to digital weight indicator.

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Summit ® 3000
Low-Profile Floor Scale

Part Number/Price

PART #	SIZE (W X L X H)	CAPACITY	EST. SHIP WEIGHT	PRICE
Single Scale				
74715	3 ft x 3 ft x 3.625 in	2,000 lb	190 lb	Consult
74716	4 ft x 4 ft x 3.625 in	2,000 lb	305 lb	Consult
74717	4 ft x 4 ft x 3.625 in	5,000 lb	305 lb	Consult
74718	4 ft x 4 ft x 3.625 in	10,000 lb	305 lb	Consult
74719	4 ft x 5 ft x 3.625 in	5,000 lb	395 lb	Consult
74720	4 ft x 5 ft x 3.625 in	10,000 lb	445 lb	Consult
74721	4 ft x 6 ft x 3.625 in	5,000 lb	470 lb	Consult
74722	4 ft x 6 ft x 3.625 in	10,000 lb	525 lb	Consult
74723	5 ft x 5 ft x 3.625 in	5,000 lb	505 lb	Consult
74724	5 ft x 5 ft x 3.625 in	10,000 lb	575 lb	Consult
Single Scale–Canadian Weights and Measures Certified				
77440	3 ft x 3 ft x 3.625 in	1,000 kg	190 lb	Consult
77373	4 ft x 4 ft x 3.625 in	1,000 kg	305 lb	Consult
77346	4 ft x 4 ft x 3.625 in	2,500 kg	305 lb	Consult
77347	4 ft x 4 ft x 3.625 in	5,000 kg	305 lb	Consult
82880	4 ft x 5 ft x 3.625 in	2,500 kg	395 lb	Consult
82881	4 ft x 5 ft x 3.625 in	5,000 kg	445 lb	Consult
77348	5 ft x 5 ft x 3.625 in	2,500 kg	505 lb	Consult
77349	5 ft x 5 ft x 3.625 in	5,000 kg	575 lb	Consult
5-Scale Package				
75809	3 ft x 3 ft x 3.625 in	2,000 lb	850 lb	Consult
75810	4 ft x 4 ft x 3.625 in	2,000 lb	1,400 lb	Consult
75811	4 ft x 4 ft x 3.625 in	5,000 lb	1,400 lb	Consult
75812	4 ft x 4 ft x 3.625 in	10,000 lb	1,400 lb	Consult
75813	4 ft x 5 ft x 3.625 in	5,000 lb	1,870 lb	Consult
75814	4 ft x 5 ft x 3.625 in	10,000 lb	2,115 lb	Consult
75815	4 ft x 6 ft x 3.625 in	5,000 lb	2,210 lb	Consult
75816	4 ft x 6 ft x 3.625 in	10,000 lb	2,495 lb	Consult
75817	5 ft x 5 ft x 3.625 in	5,000 lb	2,325 lb	Consult
75818	5 ft x 5 ft x 3.625 in	10,000 lb	2,675 lb	Consult
5-Scale–Canadian Weights and Measures Certified				
77472	3 ft x 3 ft x 3.625 in	1,000 kg	850 lb	Consult
77473	4 ft x 4 ft x 3.625 in	1,000 kg	1,400 lb	Consult
77474	4 ft x 4 ft x 3.625 in	2,500 kg	1,400 lb	Consult
77475	4 ft x 4 ft x 3.625 in	5,000 kg	1,400 lb	Consult
82885	4 ft x 5 ft x 3.625 in	2,500 kg	1,870 lb	Consult
82886	4 ft x 5 ft x 3.625 in	5,000 kg	2,115 lb	Consult
77476	5 ft x 5 ft x 3.625 in	2,500 kg	2,325 lb	Consult
77477	5 ft x 5 ft x 3.625 in	5,000 kg	2,675 lb	Consult

Options/Accessories

PART #	DESCRIPTION	EST. SHIP WEIGHT	PRICE
75819	Floor anchor plates, mild steel (set of 2)	—	Consult
Consult	Top access foot adjust holes	—	Consult

NASCO-OP™
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480/480 Plus Legend™ Series
Digital Weight Indicator

Specifications

Power:
Line voltages: 90- 264 VAC
Frequency: 50 or 60 Hz

Power Consumption:
70 mA at 115 VAC, 35 mA at 230 VAC with (10) 350 Ω load cells

Excitation Voltage:
5 VDC, 10 x 350 Ω load cells

Analog Signal Input Range:
±7 mV/V

Analog Signal Sensitivity:
0.1 uV/graduation minimum,
0.5 uV/graduation recommended

Resolution:
Internal: 523,000 counts
Display: 100,000 graduations

Measurement Rate:
Selectable 5, 10, 20, 40 Hz

System Linearity:
Within 0.01% of full scale

Circuit Protection:
Immunity 10 V/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, continuous
Both ports 1200, 2400, 4800, 9600, 19200, 38400 baud 7 or 8 data bits, even, odd or no parity

Display:
LED display, 0.8 in (20 mm), 6-digit, 7-segment

Status Annunciators:
Gross, net, center of zero, standstill, lb, kg, tare, preset tare

Keyboard:
Flat membrane panel, embossed keys, tactile feel

(Optional) Analog Output:
16-bit resolution, voltage output 0-10 VDC, current output 0-20 mA / 4-20 mA

(Optional) Relay Board:
2 opto-isolated, 5 to 24 VDC, active high inputs. 2 inputs (requires relay output option). Primary keys, pseudo functions, batching functions.
(4) 30 VDC, 2 amp dry-contract relays

(Optional) Ethernet and USB Board:
USB 5-pin header for PC, printer or flash drive. Ethernet TCP/IP, RJ45 jack, server and client ports.

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 Type 4X/IP66, heavy-gauge stainless steel

Warranty:
Two-year limited warranty

Approvals:
Measurement Canada AM-5892, Accuracy Class III/IIIHD, 10,000d
NTEP CC 12-123, Accuracy Class III/IIIL, 10,000d
OIML R76/2006-NL1-12.48, T5692, TC8322 Accuracy Class III, 10,000d
CE Marked
C-UL pending

480

480 Plus

APPROVALS

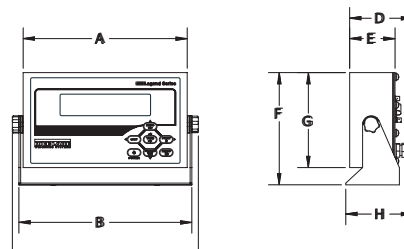NTEP | OIML | Measurement Canada Approved | CE | c UL® Pending

Standard Features

- LED display, 0.8 in (20 mm), 6-digit, 7-segment
- Time and date, battery backed
- Local/remote operation
- Numeric keypad (480 Plus)
- Keyed entries for tare and setpoint values (480 Plus)
- 2 independent serial ports
- NEMA Type 4X/IP66 stainless steel washdown enclosure
- Password protection for user and configuration changes
- Selectable conversion rate and display update rate
- Hardware or audit trail metrology sealing
- Programmable ticket formats for gross, net, accumulator and setpoints
- 5 continuous stream formats
- Adapter filter or rolling average filter
- Operator functions through menu for audit trail, preset tare, unit ID, accumulator, time and date, setpoints, communications and print formats
- 8 setpoints, sequenced batch engine
- Configurable with Revolution® software

Options

- Analog output, 0-10 VDC, 0-20 mA, 4-20 mA, selection for 20% offset
- Relay output, 2 digital inputs, four dry contact relays (supports 2 boards)
- Ethernet TCP/IP and USB interface (requires cable)
- Battery, rechargeable lithium ion
  Power for 40 hours of battery life on one 350 ohm load
  Power-saving modes for sleep and wake-up threshold

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)

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RICE LAKE

381

480/480 Plus Legend Series
Digital Weight Indicator

Part Number/Price: 480

PART #	DESCRIPTION	EST. SHIP 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	EST. SHIP 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 Type 5-15 plug

Options/Accessories

PART #	DESCRIPTION	PRICE
131340	Mounting bracket for option boards	Consult
131341	Analog output, 0-10 VDC, 4-20 mA (requires 131340)	Consult
131342	Relay board, 2 digital inputs, 4 dry contact outputs (requires 131340)	Consult
164600	USB and Ethernet TCP/IP (requires 131340)	Consult
164604	Ethernet cable with cord grip, 6 ft	Consult
164602	USB cable with cord grip, type A female, 6 in	Consult
167707	USB cable with cord grip, type A male, 6 ft	Consult
167708	USB cable with cord grip, type B male, 6 ft	Consult
165379	Flash update cable	Consult
164650	Battery kit, rechargeable lithium ion	Consult
151100	A/D sealing kit, used with audit trail tracking	Consult
151099	Panel mount bezel (not NEMA rated)	Consult
83564	Clear protective overlay (package of five)	Consult
77925*	Revolution® scale software	Consult
119201	Installation manual	Consult
Primary Replacement Components		
131345	Overlay, 480 6-key, red window	Consult
159612	Overlay, 480 Plus with numeric keys, red window	Consult
131346	Display board, LED	Consult
131316	Power supply, 85-265 VAC	Consult
131318	CPU board	Consult
131319	A/D board	Consult

Revolution can be downloaded for free at www.ricelake.com

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