

# 120/120 Plus Digital Weight Indicator



## STANDARD FEATURES

### 120

- Large .8 in (20.3 mm) Light Emitting Diode (LED) Display
- Configurable analog to digital measurement rate
- Power for four 350 Ω load cells
- Primary/secondary units configuration: lb, kg, ounces, grams
- Five-button operation
- Two independent communication ports: (1) full duplex, (1) unidirectional or active 20 mA current loop
- Standardized EDP command sets
- Programmable ticket format up to two 180-character printout

- Full front-panel digital calibration and configuration
- Tilt stand
- Three-stage digital filtering
- Consecutive transaction numbering
- Time and date (volatile)

### 120 Plus

- Large .8 in backlit LCD display
- Rechargeable battery and wall adapter
- Power save feature for 700 hours of battery life
- Ten stored tare values
- Display hold (based on 3 second average)
- Time and date

## APPROVALS



Measurement  
Canada  
Approved



## SPECIFICATIONS

### Power:

**120/120 Plus:**  
Line voltages: 115 or 230VAC  
Frequency: 50 or 60Hz

**120 Plus: (estimated battery life)**  
60 hours with 1 x 350 Ω  
40 hours with 4 x 350 Ω  
Charge time 8 hours

### Excitation Voltage:

5VDC, 4 x 350 Ω or 8 x 700 Ω load cells

### Analog Signal InputRange:

-0.6 mV/V - 3.0 mV/V

### Analog Signal Sensitivity:

0.3 μV/graduation minimum,  
1.5 μV/grad recommended

### Resolution:

Internal resolution:  
1 million internal graduations  
Display resolution:  
10,000 displayed graduations

### Measurement Rate:

**120:** 30, 15, 7, 3 per second  
**120 Plus:** 30 per second

### System Linearity:

Within 0.01% of full scale

### Circuit Protection:

RFI, EMI, ESD protected

### Load Cell Connection:

Cord grip entry  
Detachable plug (optional)

### Serial Output:

EDP port: Full duplex RS-232  
Printer port: Output-only RS-232 or active 20 mA current loop  
Both ports: 9600, 4800, 2400, 1200, 600, 300 bps; 7 or 8 data bits; even, odd or no parity

### Display:

**120:**  
0.8 in (20 mm), 6-digit Red Light Emitting Diode (LED) display, 7-segment digits  
**120 Plus:**  
0.8 in (20 mm) 6-digit LCD with backlight  
7-segment digits

### Status Annunciators:

Designators for: center of zero, stand still, gross, net, lb, kg, oz, g  
**120 Plus:**  
Battery, setpoint 1 & 2, Hold

### Keyboard:

**120:**  
5-key flat membrane panel, tactile feel  
**120 Plus:**  
Zero, tare, present tare, hold, gross/net, units, numeric 0-9, clear, enter/print

### Digital I/O:

**120 Plus:** Requires option card  
24 volt source  
3 digital inputs  
2 digital outputs

### Operating Temperature:

-10°C to 40°C/14°F to 104°F (legal)  
-10°C to 50°C/14°F to 122°F (industrial)

### Weight:

2.6 lb (1.2 kg)

### Rating/Material:

Enclosure: heavy gauge ABS

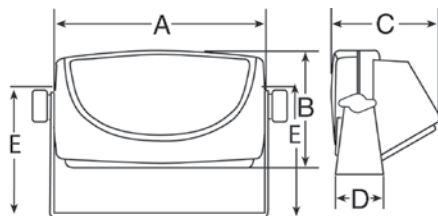
### Warranty:

One-year limited warranty

### Approvals:

NTEP CC 03-059, Class III/IIIL 10,000d  
Measurement Canada AM-5517, Class III/IIHD 10,000d  
OIML TC 7028, TC7628; T 5692 10,000 Divisions  
CE marked

INDICATORS/CONTROLLERS



## DIMENSIONS

A	7.32 in (1863 mm)	D	1.65 in (42 mm)
B	6.06 in (154 mm)	E	4.76 in (121 mm)
C	3.74 in (95 mm)		

**120/120 Plus** Digital Weight Indicator**PART NUMBER/PRICE**

PART #	DESCRIPTION	EST. SHIP WEIGHT	PRICE
<b>120</b>			
92769	Desktop 115VAC <sup>†</sup>	3 lb	Consult
92772	Desktop 230VAC, OIML/CE <sup>††</sup>	3 lb	Consult
<b>120 Plus</b>			
103632	Desktop 115/230VAC <sup>†</sup>	3 lb	Consult
107619	Desktop 115/230VAC <sup>†</sup> with digital I/O option	3 lb	Consult
126070	Desktop, 115/230 VAC, OIML/CE <sup>††</sup>	3 lb	Consult

**OPTIONS/ACCESSORIES**

PART #	DESCRIPTION	PRICE
93205	Load cell connector with 6 meter length pigtail (requires 103507)	Consult
82505	6-pin socket external load cell connector (requires 103507)	Consult
103507	External load cell plug replaces cord grip (requires 82505 or cable 93205)	Consult
107620	Digital I/O card for 120 Plus	Consult
105670	15 Pin connector for 120 Plus	Consult
106705	15 Pin Interface cable for 120 Plus, 2-meter length	Consult
76699	Additional operating manual for 120	Consult
105914	Additional operating manual for 120 Plus	Consult
77925	Revolution <sup>®</sup> Scale Software*	Consult
<b>Primary Component Parts for 120</b>		
78609	Board assembly for use with external LC connector	Consult
96293	Board assembly for use with internal LC connector	Consult
78610	Overlay membrane switch	Consult
78611	Power supply, 115VAC	Consult
78612	Power supply, 230VAC (2-pin Europe)	Consult
<b>Primary Component Parts for 120 Plus</b>		
103634	CPU/Display board assembly	Consult
103635	Overlay membrane switch	Consult
103636	Power supply, 115VAC/230VAC	Consult
103637	Rechargeable Battery	Consult

\* Revolution<sup>®</sup> can be downloaded for FREE at [www.ricelake.com](http://www.ricelake.com)



†† CEE 7/7 plug



† NEMA 5-15 plug