### 120/120 Plus

#### Digital Weight Indicator



#### Standard Features

- LED display, 0.8in (20.3mm) six-digit, seven-segment
- Configurable analog to digital measurement rate
- Power for four 350ohm load cells
- · Primary/secondary units configuration: lb, kg, ounces, grams
- · Five-button operation
- Two independent communication ports: (1) full duplex, (1) unidirectional or active 20mA 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

- LCD display, 0.8in (20.3mm) six-digit, seven-segment
- · Internal rechargeable lithium battery and wall adapter
- · Power save feature for 700 hours of battery life
- · Ten stored tare values
- Display hold (based on three second average)
- · Time and date
- · Configurable with Revolution® software

## **Specifications**

#### Power:

#### 120/120 Plus:

Line voltages: 115 or 230 VAC Frequency: 50 or 60 Hz 120 Plus: (estimated battery life) 60 hours with 1 x 350 $\Omega$ . 40 hours with 4 x 350 $\Omega$ Charge time eight hours

#### **Excitation Voltage:**

5 VDC, 4 x 350 $\Omega$  or 8 x 700 $\Omega$  load cells

#### **Analog Signal Input Range:**

-0.6 mV/V - 3.0 mV/V

#### **Analog Signal Sensitivity:**

0.3 µV/graduation minimum, 1.5 µV/grad recommended

#### A/D Sample Rate:

120: 3 to 30 Hz, software selectable

120 Plus: 30 Hz

#### Resolution:

**Approvals** 

Measurement

Canada

Approved

Available on 120 Plus

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

#### System Linearity / PI Rating:

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 20mA current loop

Both ports: 9600, 4800, 2400, 1200, 600, 300bps; Seven or eight data bits; even, odd or no parity

#### **Status Annunciators:**

120/120 Plus: Center of zero, stand still, gross, net, lb, kg, oz, g

120 Plus: Battery, setpoint 1 and 2, Hold

#### Display:

120: 0.8 in (20 mm), six-digit red light emitting diode (LED) display, seven-segment digits 120 Plus: 0.8 in (20 mm) six-digit LCD with backlight, seven-segment digits

#### **Keys/Buttons:**

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

#### (Optional) Digital I/O:

120 Plus: Requires option card 24 volt source Three digital inputs Two digital outputs

#### **Temperature Range:**

Certified: 14°F to 104°F (-10°C to 40°C) Operating: 14°F to 122°F (-10°C to 50°C)

#### Rating/Material:

Enclosure: heavy gauge ABS

#### Weight:

2.6 lb (1.2 kg)

#### Warrantv:

One-year limited warranty

#### Approvals:

CE marked

NTEP CC 03-059, Class III/IIIL 10,000d Measurement Canada AM-5517, Class III/IIIHD 10,000d EU Test Certificate TC7028 (120) Class III, 10,000d EU Test Certificate TC7626 (120 Plus) Class III, 10,000d

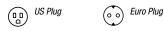
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# 120/120 Plus Digital Weight Indicator

#### Part Number/Price

Part #	Description Est. Weig		Price
120			
131923**	Desktop 115 VAC/230 VAC	3 lb	\$335.00
120 Plus			
103632**	Desktop 115/230 VAC	3 lb	\$460.00
107619**	Desktop 115/230 VAC with digital I/O option	3 lb	\$520.00

<sup>\*\*</sup>Both plugs included with power adapter



#### **Options/Accessories**

Part #	Description	Price		
93205	Load cell connector with 6 m length pigtail (requires 103507)	\$46.00		
82505	Six-pin socket external load cell connector (requires 103507)	\$11.00		
103507	External load cell plug replaces cord grip (requires 82505 or cable 93205)	\$32.00		
107620	Digital I/O card for 120 Plus			
105670	15-Pin connector for 120 Plus			
106705	15-Pin Interface cable for 120 Plus, 2 m length	\$32.00		
76699	Additional operating manual for 120	\$31.00		
105914	Additional operating manual for 120 Plus			
77925*	Revolution® scale software	\$35.00		
Primary Co	mponent Parts for 120			
131924	Board assembly for use with internal LC connector	\$250.00		
78610	Overlay membrane switch	\$55.00		
131925**	Power supply, 115 VAC/230 VAC	\$40.00		
64794	Cable, null modem DB9F to DB9M	\$65.00		
Primary Co	mponent Parts for 120 Plus			
103634	CPU/Display board assembly	\$355.00		
103635	Overlay membrane switch	\$55.00		
103636**	Power supply, 115 VAC/230 VAC	\$40.00		
103637	Rechargeable battery	\$80.00		

<sup>\*</sup>Revolution can be downloaded for free at www.ricelake.com To have your option factory installed, please specify when placing your order.

Dimensions									
Α	7.32 in (186 mm)	С	3.74 in (95 mm)	E	4.76 in (121 mm)				
В	6.06 in (154 mm)	D	1.65 in (42 mm)						

