

120/120 Plus

Digital Weight Indicator

INDICATORS /
CONTROLLERS



Approvals



Standard Features

120

- LED display
- Configurable analog to digital measurement rate
- Primary/secondary units configuration: lb, kg, ounces, grams
- Five-button operation
- Two independent communication ports
- 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
- 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

Battery Life:

120 Plus

60 hours with 1 x 350 ohm, 40 hours with
4 x 350 ohm load cells
Eight hour charge time

Excitation Voltage:

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

Analog Signal Input Range:

-0.6 mV/V to 3.0 mV/V

Analog Signal Sensitivity:

0.3 μ V/graduation minimum,
1.5 μ V/grad recommended

A/D Sample Rate:

120: 3 to 30 Hz, software selectable
120 Plus: 30 Hz

Resolution:

Internal: 1,000,000 counts
Display: 10,000

System Linearity:

Within 0.01% of full scale

(Optional) Digital I/O:

120 Plus: Requires option card

24 volt source

Three digital inputs

Two digital outputs

Circuit Protection:

RFI, EMI, ESD protected

Load Cell Connection:

Cord grip entry

Detachable plug (optional)

Communication Port:

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, 300bps;

Seven or eight data bits; even, odd or no parity

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

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)

Warranty:

One-year limited

Approvals:

NTEP CC 03-059, Class III/IIIL 10,000d

Measurement Canada AM-5517

EU Test Certificate TC7626

CE Marked

Part Number/Price

Part #	Description	Est. Weight	Price
120			
131923	Desktop 115 VAC/230 VAC	3 lb	Consult
120 Plus			
103632	Desktop 115/230 VAC	3 lb	Consult
107619	Desktop 115/230 VAC with digital I/O option	3 lb	Consult

NOTE: Both plugs included with power supply



US Plug



Euro Plug

Options/Accessories

Part #	Description	Price
93205	Load cell connector with 6 m length pigtail (requires 103507)	Consult
82505	Six-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 m length	Consult
76699	Additional operating manual for 120	Consult
105914	Additional operating manual for 120 Plus	Consult
Primary Component Parts for 120		
131924	Board assembly for use with internal load cell connector	Consult
78610	Overlay membrane switch	Consult
131925	Power supply, 115 VAC/230 VAC	Consult
64794	Cable, null modem DB9F to DB9M	Consult
Primary Component Parts for 120 Plus		
103634	CPU/Display board assembly	Consult
103635	Overlay membrane switch	Consult
103636	Power supply, 115 VAC/230 VAC	Consult
103637	Rechargeable battery	Consult

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

To have your option factory installed, please specify when placing your order.

Dimensions			
A	7.32 in (186 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)		

