

120/120 Plus

Digital Weight Indicator



STANDARD FEATURES

120

- Large .8in (20.3mm) Light Emitting Diode (LED) Display
- Configurable analog to digital measurement rate
- Power for four 350Ω 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

- Large .8in 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



SPECIFICATIONS

POWER:

120/120 Plus:

Line voltages: 115 or 230VAC
Frequency: 50 or 60Hz

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

EXCITATION VOLTAGE:

5VDC, 4 x 350Ω or 8 x 700Ω load cells

ANALOG SIGNAL INPUT RANGE:

-0.6mV/V - 3.0mV/V

ANALOG SIGNAL SENSITIVITY:

0.3μV/graduation minimum,
1.5μV/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 20mA current loop
Both ports: 9600, 4800, 2400, 1200, 600, 300 bps; 7 or 8 data bits; even, odd or no parity

DISPLAY:

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

2.6lb (1.2kg)

RATING/MATERIAL:

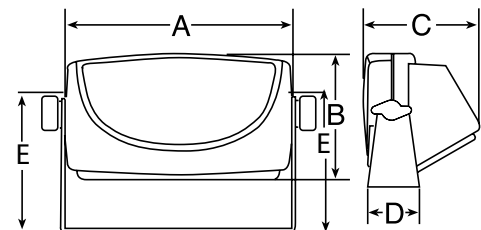
Enclosure: heavy gauge ABS

120 AND 120 PLUS APPROVALS:

NTEP -10,000 Divisions, Class III/IIIL,
CC# 03-059A1, Measurement Canada AM-5517,
Class III/IIILD at 10,000 Divisions;
OIML approved, TC 7028, TC7628; T 5692
at 10,000 Divisions
CE marked

WARRANTY:

One-year limited warranty



DIMENSIONS

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

120/120 Plus

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PART #	DESCRIPTION	EST. SHIP WEIGHT	PRICE
120			
92769.....	120, Desktop 115VAC [†]	3 lb	Consult
92772.....	120, Desktop 230VAC, OIML/CE ^{††}	3 lb	Consult
120 Plus			
103632.....	120 Plus, Desktop 115/230VAC [†]	3 lb	Consult
107619.....	120 Plus, Desktop 115/230VAC [†] with digital I/O option	3 lb	Consult

OPTIONS/ACCESSORIES

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.....	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® Scale Software*	Consult

Primary Component Parts for 120

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

Primary Component Parts for 120 Plus

103634.....	CPU/Display board assembly.....	Consult
103635.....	Overlay membrane switch.....	Consult
103636.....	Power supply, 115VAC/230VAC.....	Consult
103637.....	Rechargeable Battery	Consult

* Revolution can be downloaded for FREE at www.ricelake.com



Indicators