

120/120 Plus

Digital Weight Indicator



EVOLUTION III
SCRIPT SOFTWARE

APPROVALS



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

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:

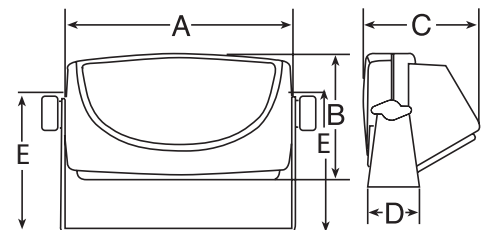
Enclosure: heavy gauge ABS

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 factory
92772.....	120, Desktop 230VAC, OIML/CE ^{††}	3 lb	Consult factory
120 Plus			
103632.....	120 Plus, Desktop 115/230VAC [†]	3 lb	Consult factory
107619.....	120 Plus, Desktop 115/230VAC [†] with digital I/O option	3 lb	Consult factory

OPTIONS/ACCESSORIES

93205.....	Load cell connector with 6 meter length pigtail (requires 103507).....	Consult factory
82505.....	6-pin socket external load cell connector (requires 103507)	Consult factory
103507.....	External load cell plug replaces cord grip (requires 82505 or cable 93205).....	Consult factory
107620.....	Digital I/O card for 120 Plus	Consult factory
105670.....	15 Pin connector for 120 Plus.....	Consult factory
106705.....	Interface cable for 120 Plus, 2-meter length.....	Consult factory
76699.....	Additional operating manual for 120.....	Consult factory
105914.....	Additional operating manual for 120 Plus.....	Consult factory
77925.....	Revolution [®] III Scale Software*	Consult factory

Primary Component Parts for 120

78609.....	Board assembly for use with external LC connector.....	Consult factory
96293.....	Board assembly for use with internal LC connector.....	Consult factory
78610.....	Overlay membrane switch.....	Consult factory
78611.....	Power supply, 115VAC.....	Consult factory
78612.....	Power supply, 230VAC (2-pin Europe)	Consult factory

Primary Component Parts for 120 Plus

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

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

External load cell plug replaces cord grip

