



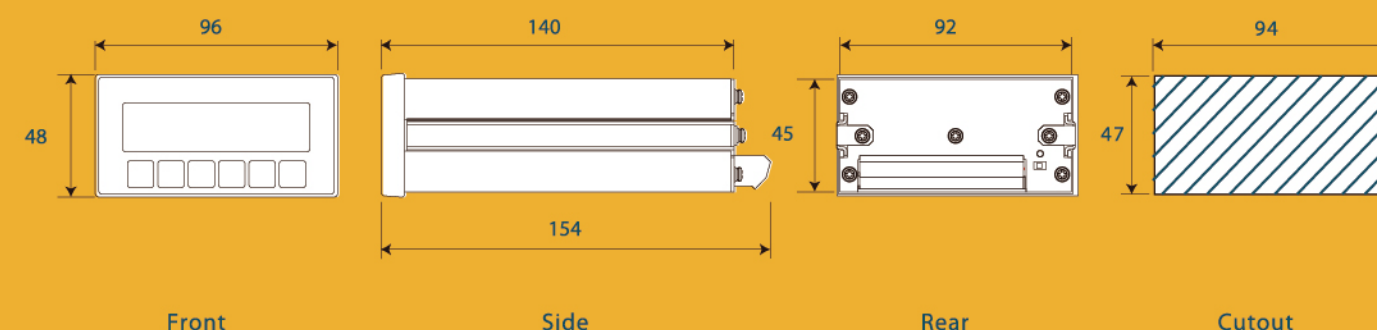
120S

Built-in MODBUS

Revolutionary Multifunction Weighing Indicator



Dimension (Unit:mm)



Application & Communications



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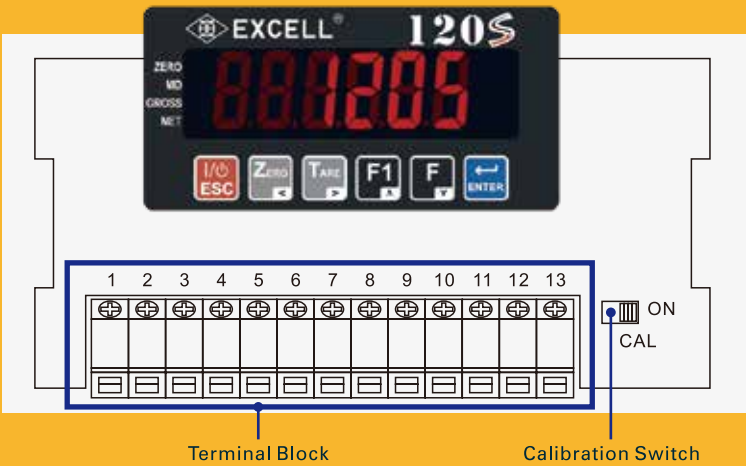
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120S Revolutionary Multifunction Weighing Indicator

Features:

- Design and pass the EMC standard (EN61326-1:2013)
- User can define script based on 11 small predefined processes
- High performance A/D : 0.12 μ VD input sensitivity, 120 (max.) times/sec conversion rate and -0.1 mV/V ~ 4.0mV/V AD measuring range
- Stand alone batching mode or connect to PLC for external system control
- Built in batching / dosing functions
- Manual / automatic discharge operation
- Set cycle times in a batch
- Totalise weight and number of cycles
- Key in the signal voltage value (mV / V) directly via the keypad, no need to apply any weight to the bottom work to calibrate the weigher
- Display load cell output voltage (mV / V) for future maintenance
- Adjustable filter
- Built-in RS-232 serial interface or RS-485 serial interface
- Compact design with dimension 96 (W) x 48 (H) x 140 (D), easily mounted into the system panel
- Display: 6 digits, bright red, 7 segment LED display, character height 16mm (0.63"). Display can be switched between Gross Weight / Net Weight / Totalised Weight /Number of transactions in the total



Rear Panel:13 Way Terminal Block

1st	FG
2nd	AC IN
3rd	AC IN
4th	NC
5th	TXD/DA-
6th	RXD/DA+
7th	SG
8th	EXC+
9th	SEN+
10th	SEN-
11th	EXC-
12th	SIGNAL +
13th	SIGNAL -

Specifications:

⦿ Analog

Input sensitivity	0.12 μ V/d maximum
Max. load cell input voltage	-0.1mV/V~+4mV/V
Load cell excitation voltage	DC 5V
Excitation available current	120mA (will power 8 x 350 Ω load cells)
Non-linearity	\pm 0.0015%FS
Maximum resolution	520,000
Max. display resolution	-199999~999999
Conversion rate	120 times/second (max.)

⦿ Digital

Main display	6 digits, red LED, 16mm (0.63"), 7-segment
Status display	4 selectable status from Zero, MD, Gross, Net, Accu. V, Accu.C, SP1, SP2, SP3, Hi, OK, Lo, Under, Over, Unloading, Running, Hold
Display update rate (times/sec)	Selectable
Display range	-199999~999999
Minor division	1, 2, 5, 10, 20, 50
Operation keys	Standby/Esc, Zero, Tare, F1, F, Enter
Decimal point position	Selectable 0, 0.0, 0.00, 0.000, 0.0000

⦿ General

Power requirements	AC 100 ~ 240 V (\pm 10%)
Operating temperature range	0 $^{\circ}$ C ~ 40 $^{\circ}$ C (32 $^{\circ}$ F ~ 104 $^{\circ}$ F)
Operating humidity range	<85%R.H.
Physical dimensions	96 (W) x 48 (H) x 140 (D) mm
Weight	Approx 0.5 kg

⦿ Options

OP-01 RS-422 / RS-485 / RS-232 serial interface
OP-02-2 BCD parallel output interface (TTL output)
OP-03 16 Bit Analogue current (0 ~ 20 mA) /voltage (0 ~ 10V) output interface
OP-04 Control I/O (4 In / 4 Out) + Setpoint In (BCD code)
OP-04E Relay Output (4 In / 4 Out)
OP-04C Hi, Lo, OK input interface (BCD code)
OP-04F Setpoint input interface (BCD code)
OP-05 Control I/O (8 In / 8 Out)
OP-05E Relay Output (8 In / 8 Out)