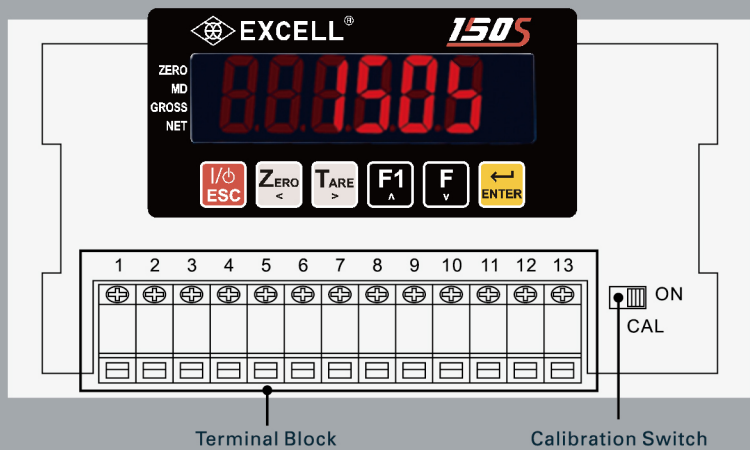


150S Revolutionary Multifunction Weighing Indicator (Built-in MODBUS)

Features:

- Design and pass the EMC standard (EN61326-1:2013)
- User can define script based on 11 small predefined processes
- DC power supply: with DC12V~24V power supply design for the application of flame-proof system
- Built-in MODBUS RTU format easily connect with any human machine interface and PLC
- 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 segments LED with character height 16mm (0.63"); the weight unit could be switched between kg, g, t and lb. Display could be switched between Gross / Net / Accumulation Weight / Accumulation times
- Stand alone batching mode or connect to PLC for external system control: 6 weight comparison modes, Batching / dosing function, Manual / Auto discharge operation, Setting cycle times and totalizing of weight or times
- High performance A/D: 0.12 μ VD input sensitivity, 120 (max.) times/sec conversion rate and -0.1mV/V ~ 4.0mV/V AD measuring range
- Flexible calibration procedures: 2 points to 5 points linearity calibration applicable, and directly key in and memorize the voltage value (mV/V) for the maintenance
- Adjustable filter to prevent vibration of environment



Rear Panel:13 Way Terminal Block

| | |
|------|-----------------|
| 1st | EARTH or GROUND |
| 2nd | DC+ |
| 3rd | DC - |
| 4th | Not Used |
| 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 | DC 12V~DC 24V |
| Operating temperature range | 0 $^{\circ}$ C~+40 $^{\circ}$ C |
| Operating humidity range | <85%R.H. |
| Physical dimensions | 96 (W) x 48 (H) x 140 (D) mm |
| Weight | Approx 0.4 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) |

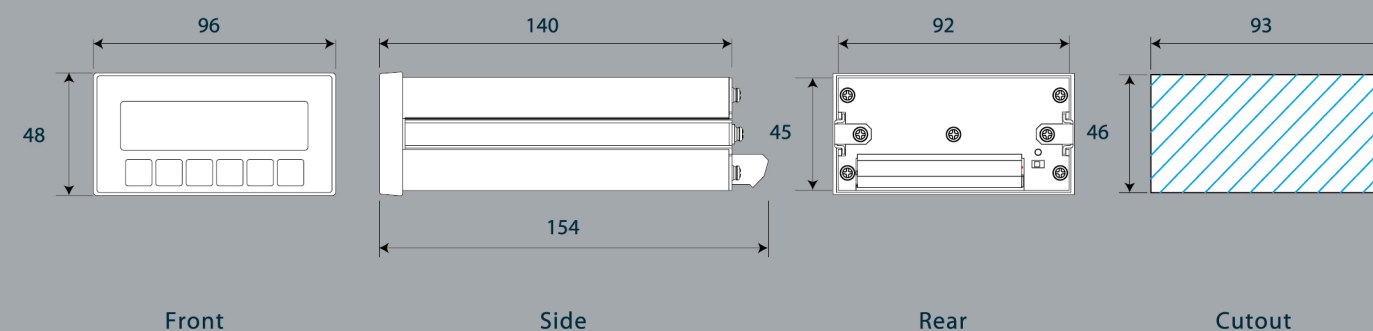


150S

Built-in MODBUS Revolutionary Multifunction Weighing Indicator



Dimension (Unit:mm)



Application & Communications



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