

Weight Indicator

MODEL: TP-400mini

This is a microcontroller based Indicator unit. It is highly versatile, Accurate and different from the Conventional indicators. It displays Analog signal (mV) Input from the Loadcell into engineering values.

With the Help of the keypad and Display, unit allows to set & modify Various configuration parameters & calibration.

General Specifications:

| | |
|--|---|
| Display | 6 Digits, 7 segments RED LED, 0.56" height |
| Keyboard | 4 Keys (Index, Up arrow, side arrow, Esc) Membrane |
| Decimal Point | Selectable: 00000.0, 0000.00, 000.000 (XXXXX.X, XXXX.XX, XXX.XXX) |
| Programmable parameters | Capacity, Display Resolution, Grad, Zero Track Band, Zero Range |
| EEPROM/Flash Memory | Configuration Data are stored in serial EEPROM/Flash RAM and Battery backup not required |
| Analog to Digital Converter | |
| Type | 24-bit, (Delta-Sigma with integrated analogue and digital filter) |
| Conversion Rate | 15 measurement values per sec |
| Resolution | Internal up to 16 million counts; display up to 10,000 counts |
| SCALE CALIBRATION AND FUNCTIONS | |
| Calibration | Calibration with weight |
| Digital filter | Step width : 0,1,2,5 Round OFF : 1,2,5 Moving Average : 0 to 30 |
| Weighing functions | Tare, zero, auto zero tracking, auto-zero at power-up, auto-net at power-up |
| Linearity | Within 0.01 % F.S. |
| Load cells | |
| Excitation | 5 V DC at 58...1 200 Ω , max. 100 mA |
| Number of load cells | Up to 8 load cells (350 Ω) or 18 load cells (1 100 Ω) in parallel |
| Connection | 4-wire technology |
| Power Supply | 12...28 V DC, max. 300 mA / 110-230VAC (Factory configured) |
| ENVIRONMENT AND ENCLOSURE | |
| Operation Temperature & humidity | -10 °C to +50 °C; 85% RH max, non-condensing |
| Housing & Protection | Panel mount, Aluminum Extruded, SS Front & Back |
| Dimensions & Weight | 48 x 96 x 110 mm (W x H x D), 0.5 kg |
| Cut-out | 92 mm (W) x 44 mm (H) |
| Serial Interface | One Port Factory configured for communication with remote display/Printer/Computer using RS-485/RS-232C (Factory configured) |
| Baud rate | 1200 to 115 200 baud |
| Digital Input | Two digital inputs, Islated Remote input for GROSS/NET, TARE and Zero functions programmable |
| Output | UP to 2 relays output (Batching or Alarm selectable) Contact rating: Transistor Outputs: 2 (Open Collector: 24 V DC, max. 100 mA), (Isolated) |
| ANALOG OUTPUT | 4-20 mA, 0-20 mA, 0-10 V or 0-5 V, 16 bit (Isolated) |

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