

Weighing Indicators



Panel mounted transmitters

Description:

The panel mounted transmitters offer exceptional reliability, advanced filtering, and tested ability to perform under heavy interference and the most severe industrial environments. With over 100,000 products being in use and negligible repair rate, they are customized for dynamic weighing systems with the highest demand for reliability, response speed and accuracy.

Key Features:

- CE Approved
- Powerful 32 bits ARM technology CPU makes it exceptional precise and responsive
- Patent pending two-layer advanced digital filtering algorithm
- 24 bit Sigma-Delta A/D conversion with 8 Million counts internal resolution
- IP 65 front panel protection
- Modular design for ease of maintenance
- Front panel mounting
- Advanced power electronics power supply 90-260V AC / 18-36V DC
- All output ports optically isolated
- Smart adjustable analogue output
- Watchdog function making it fail-safe and always reliable

Specification:

A/D CONVERTER	
Type	24-bit Delta-Sigma
Analogue input range	0mV to 15mV
Linearity	<0.001%FS
Gain Drifting	10PPM/°C
Minimum Sensitivity	0.1 μ V/d
Conversion Rate	120/s
Display Accuracy	1 / 30,000
DISPLAY & KEYBOARD	
Display	6 digits, 7 segments, LED red
Keyboard	4 membrane switches with beeping feedback
Status Indicator	(3 LED green) Zero, Stable, Data
CALIBRATION & WEIGHING FUNCTIONS	
Calibration	By test weight or by electronic calibration
Digital Filter	Two Layer FIR filter with 9 selectable levels
Weighing Functions	zero, zero tracking, auto-zero at power
ENVIRONMENTAL	
Operating Temperature	-10°C to 40°C
Storage Temperature	-25°C to 70°C
Relative Humidity	90% R.H without dew
IP Level	IP 65
LOAD CELLS	
Excitation	5V
Load Cells	Drives 8pcs Load Cells 350 Ω
MECHANICAL DATA	
Dimensions & Weight	105×151×57 mm (L×W×H) weight approx.550g
Standard Mounting	Panel Mount
Certification	CE
Enclosure	ABS front panel, cast aluminum body
INSTRUMENT WITH ANALOGUE OUTPUT: GM8802E	
Type	Isolaed 16-bit D/A converter
Accuracy	0.04%
Voltage Output	0-5V / 0-10V / -5-5V / -10-10V
Current Output	4-20mA / 0-20mA / 0-24mA
INSTRUMENT WITH MODBUS RTU/ASCII INTERFACE: GM8802F	
Serial Interface RS485/RS232	1200-57600 baud, bus capability up to 31 units
Communication Mode	Continuous or requested or Modbus RTU/ASCII

Selection Matrix:

Model No.	Analogue output	Front Panel Display and Button	RS232 / RS485	Modbus RTU interface
GM8802-E	●	●		
GM8802-F		●	●	●