

## Weighing Indicators



## Field Mounting Transmitters

### Description:

The field mounting transmitters are an innovative value-adding solution for batching and weight monitoring applications where many channels of A/D are needed.

The instrument has multiple channels of independent A/D bundled flawlessly in a IP65 case, allowing it to perform under the worst industrial environments and dramatically reduce the amount of shielded analogue line needed and creating significant savings on the project's bottom-line.

### Key Features:

- CE compliant
- IP65 casing allows performance in the worst industrial environment
- Used in systems with PLC/PC
- Powerful 32 bits ARM technology CPU makes it exceptional precise and responsive
- 2 or 4 independent channels of A/D bundled flawlessly together
- Patent pending two-layer advanced digital filtering algorithm
- 24 bit Sigma-Delta A/D conversion with 8 Million counts internal resolution
- All output ports optically isolated
- Advanced power electronics power supply 18-36V DC

### Specification:

<b>A/D CONVERTER</b>	
Type	24-bit Delta-Sigma
Analogue input range	0mV to 15mV
Linearity	<0.001%FS
Gain Drifting	10PPM/°C
Minimum Sensitivity	0.2 $\mu$ V/d
Conversion Rate	120/s
Display Accuracy	1 / 50,000
<b>CALIBRATION &amp; WEIGHING FUNCTIONS</b>	
Calibration	By test weight or by electronic calibration
Digital Filter	Two Layer FIR filter with 9 selectable levels
Weighing Functions	Zero, zero tracking
<b>ENVIRONMENTAL</b>	
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
<b>LOAD CELLS</b>	
Excitation	5V
Load Cells	Drives 8pcs Load Cells 350 $\Omega$
<b>MECHANICAL DATA</b>	
Dimensions & Weight	270×200×78 mm (L×W×H) weight approx.1500g
Certification	CE
Enclosure	Cast aluminum body.
<b>Modbus RTU/ASC II interface</b>	
Serial Interface RS232 / RS485	1200-57600 baud, bus capability up to 31 units
Communication Mode	Continuous or requested or Modbus RTU/ASCII

### Selection Matrix:

Model No.	2 AD independent channels	4 AD independent channels	RS232 / RS485	Modbus RTU interface
GM8802F-2	●		●	●
GM8802F-4		●	●	●