

Model GM Digital Display/ Signal Conditioner

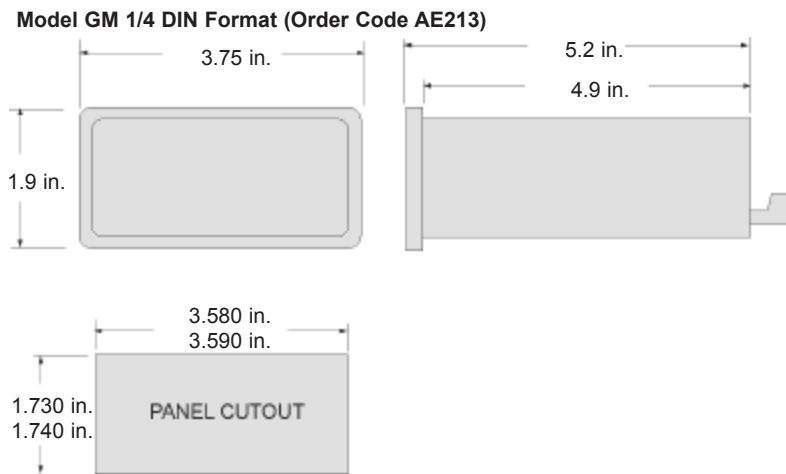
Order Code AE213



- Bridge Based Transducer Input
- 4 1/2 Digit LED Display
- Large 0.56" Readout
- High Speed Analog Output (up to 27 kHz)

The GM is a versatile full function signal conditioner, amplifier and power supply that works with unamplified mV/V transducers. It also provides shunt calibration (R-cal) which enables the system to be setup without using an expensive primary stimulus (done at no extra charge at the factory if the readout and transducer are purchased at the same time). A full range of options like peak/ hold, track/ hold and dual limits are available.

Dimensions



Electrical

Input Signal.....	1 to 5 mV/V or 5 to 50 mV/V (optional)
Number of Characters Displayed.....	4 1/2
Power Requirements	
Standard.....	115 VAC @ 5 Watts
Optional.....	12 VDC, 220 VAC
Conversions per Second.....	3
Scaling Method.....	Potentiometer
Polarity Indication.....	Yes
Decimal Point Selection.....	Jumper (non-solder)
Display Size.....	0.56 in.
Overrange Indication.....	Flashing Display
Display Resolution.....	1/ 20,000 max.
Digital Display.....	LED
Analog Output.....	+/-5 VDC or 4-20 mA (optional)
Amplifier Output Impedance.....	< 2 Ohms
Accuracy.....	+/- 0.03%
Amplifier Frequency Response.....	DC to 250 Hz
Common Mode Rejection.....	80 db
Fine Scan Adjust.....	< +/- 15%
Coarse Scan Adjust.....	> 80%
Fine Zero Adjust.....	< +/- 15%
Coarse Zero Adjust.....	> 80%

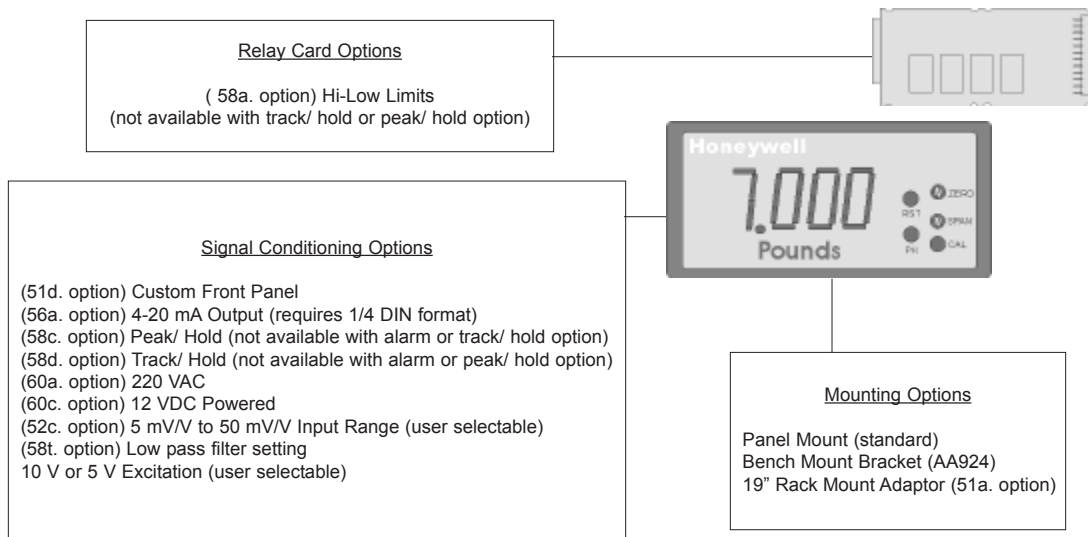
Environmental

Temperature, Storage.....	-20° to 200° F
Temperature, Operating.....	32° to 130° F

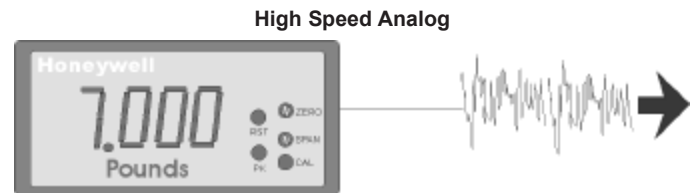
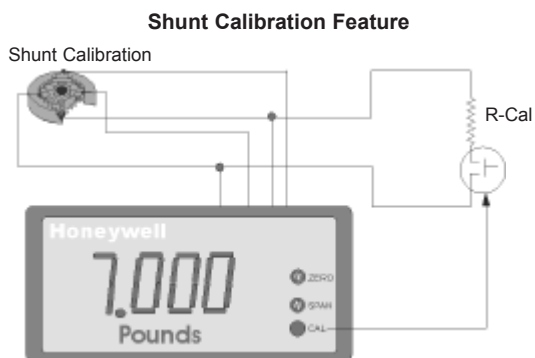
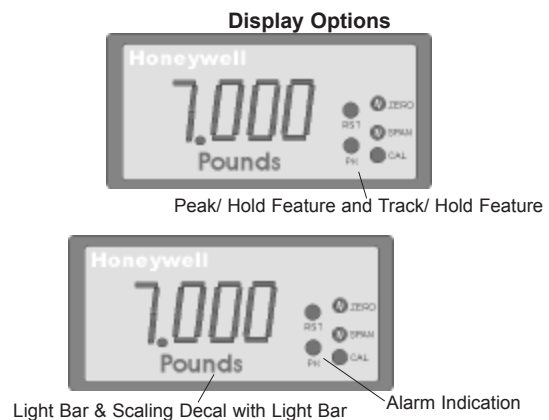
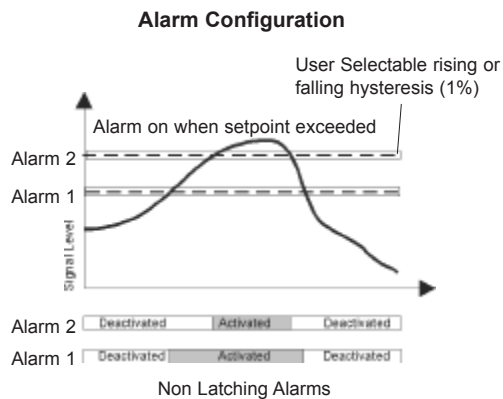
Physical

Weight.....	2.25 lb.
Mounting.....	Bench, Rack or Panel (Panel mount included with unit)
Case Size (std.).....	1/8 DIN
Case Material.....	Noryl plastic
Input/ Output Connector.....	Removable with screw terminals

Flexible Platform

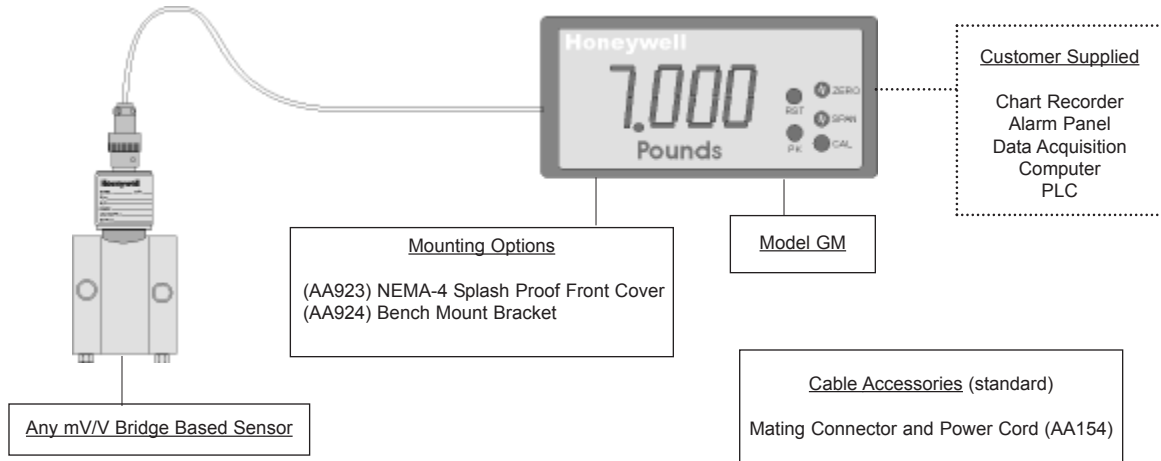


Comprehensive Signal Conditioning

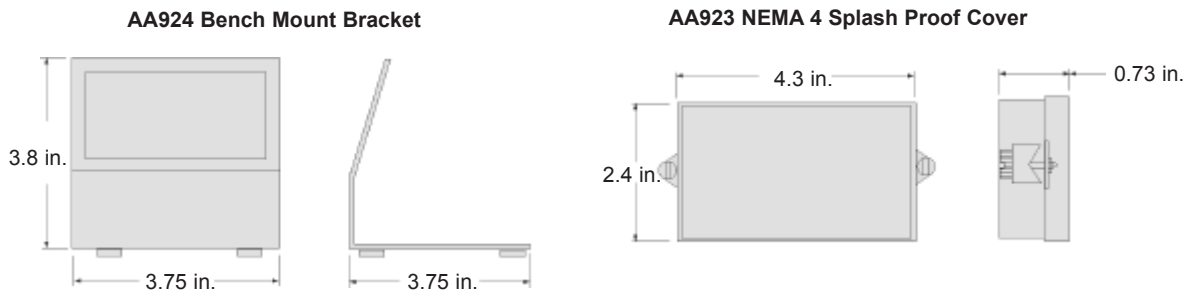


Model GM

Typical System Diagram



Accessories and Options Dimensions



Options

	Same Day Stock	Configured to Order	Assembled to Order	Built to Order
Input Range	0.5 to 5 mV/V	52c. 5 to 50 mV/V		
Analog Output	Filter setting 260 Hz	58t. Optional Filter setting (10Hz, 30Hz, 10kHz, 27kHz)		
Alarm Outputs	58a. Hi-Lo limits			
Display Options	58c. Peak/ hold	58d. Track/ hold		
Power Supply	110 VAC	60a. 220 VAC	60c. Battery Powered (12 VDC)	56a. 4-20 mA output
Front Panel				51d. Custom front panel
Mounting Options				51a. Rack mount adapter 51c. NEMA Enclosure

■ Supplied as standard

-Not RoHS Compliant

How to Order

The order code consists of the product model, the available options and the filter setting.

Sample Code **AE213** **60a** **30Hz**
 Model Code Option Code Filter Setting