



## IN LINE SIGNAL CONDITIONER, AMPLIFIER

### MODEL GP25

#### FEATURES:

- In-Line Signal Conditioning
- Hermetically sealed SST housing
- EMI/RFI protection
- Zero and span adjustment options
- Optional electrical connections

#### APPLICATIONS:

The GP25 series is a reliable, in-line signal conditioner with a broad range of excitation and output options. The sealed, all welded SST housing provides remote signal conditioning for use in high temperature or cryogenic applications where the electronics can be remotely mounted out of the extreme temperatures. This allows the sensing element to be mounted in the process (-320 to 400 °F) and remotely mount the electronics within a -40 to +250 °F environment.

#### PRODUCT OVERVIEW:

Model GP25 from GP:50 is a convenient In-line Signal conditioner and strain gauge amplifier that provides various analog and digital output options. Its compact size and rugged design provide years of trouble free service. Various sensor bridge and mV signal inputs are available, as well as a wide range of excitation options.

#### FIELD OPTIONS:

- Zero and Span adjust (potentiometer or digital)
- Dual pressure and temperature circuits
- FM, CSA ATEX, IEC Intrinsically Safe options
- RFI & Surge suppression options
- Shunt calibration
- Variety of input and output connections



GP25  
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# GP:50 MODEL GP25

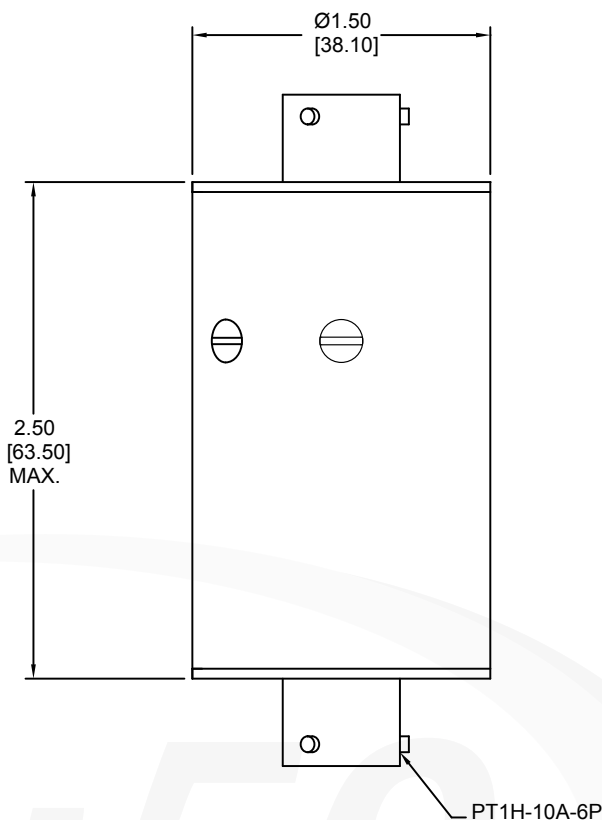
## DIMENSIONAL DRAWING

All dimensions are in inches (mm)

### STANDARD WIRING

(Other options available)

PIN	Function VDC Output	Function 4-20mA Output
A/1/RED	+Exc	+Exc/Sig
B/2/GRN	+Sig	NC
C/3/WHT	NC	NC
D/4/BLK	-Exc/Sig	-Exc/Sig
E/5/BLU	NC	NC
F/6/BRN	NC	NC



## REFERENCE SPECIFICATIONS

ELECTRICAL
<ul style="list-style-type: none"> <li>• <b>Output Signal/Supply Voltage:</b> 4-20ma: 2-wire 9-36 Vdc 0-5Vdc: 3-Wire or 4-wire Non-Isolated: 9-36 Vdc 4-Wire Isolated: 9-32 Vdc</li> <li>• <b>Digital Output/Supply Voltage:</b> RS-232, RS-485 or CANbus: 8-30 Vdc USB: 4.5 to 5.25</li> <li>• <b>Output Impedance:</b> 350 to 5000 ohms</li> </ul>
MATERIALS OF CONSTRUCTION
<ul style="list-style-type: none"> <li>• <b>Housing:</b> 316 SST</li> </ul>

MECHANICAL
<ul style="list-style-type: none"> <li>• <b>Electrical Connector:</b> PTIH-10-6P SST</li> <li>• <b>Zero &amp; Span:</b> Potentiometer adjust, removable cover screw with o-ring sealed</li> <li>• <b>Size/Weight:</b> 1.5 inch O.D. / approx. 8 ounces</li> </ul>
THERMAL SPECIFICATIONS
<ul style="list-style-type: none"> <li>• <b>Operating Ambient:</b> -40 °F to 250 °F ( -40 °C to 121 °C)</li> </ul>
PERFORMANCE CHARACTERISTICS @ 70 °F
<ul style="list-style-type: none"> <li>• <b>Typ current draw:</b> VDC Output: &lt;8 mA 4-20mA: 20 mA Digital Output: Varies 40-80 mA</li> <li>• <b>Zero &amp; Span Adjust:</b> +/-10% FSO</li> <li>• <b>Zero Balance (No local adjust coupled with GP:50 sensor):</b> +/-0.5% FSO</li> <li>• <b>Span (No local adjust coupled with GP:50 sensor):</b> +/-0.5% FSO</li> </ul>

**Standard configurations shown.  
Please consult factory for other options.**

All specifications are for reference purposes only. In the interests of continuous product improvement, all specifications are subject to change without notice. Please contact GP:50 for assistance with your application.

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