MODEL 311/I/GI/Al

FEATURES:

- 0 to 5 PSI thru 0 to 75K PSI (75 MBAR to 1,034 BAR)
- FM, CSA, ATEX & IEC approvals
- Welded, rugged construction
- Optional high overpressure protection

APPLICATIONS:

- Rig safety systems
- Wellhead control
- Gas pipeline
- Control panels
- On-board transmission & engine monitoring

PRODUCT OVERVIEW:

GP:50’s Model 11 series provides a rugged solution in hazardous approved areas. The all welded, stainless steel design provides years of reliable service in some of the harshest applications.

FIELD OPTIONS:

- FM, CSA ATEX, IEC Intrinsically Safe
- Zero & Span adjust
- Alternate connectors & pressure ports
- For Explosion-proof see model 311X/P
**DIMENSIONAL DRAWING**

All dimensions are in inches (mm)

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**REFERENCE SPECIFICATIONS**

**ELECTRICAL**

- **Excitation Voltage:** 10 to 28 Vdc excitation
- **Output Signal:** 4-20 mA output
- **Circuit Protection:** RFI and EMI
- **Load Impedance:** 750 Ω max. to 24 Vdc
- **Insulation Resistance:** >10 MΩ @ 50 Vdc, +70 °F
- **Response Time:** <5 ms 10% to 90%
- **Connection:** 36" long PVC Jacketed, 24 AWG, 7 conductor cable with drain wire

**MATERIALS OF CONSTRUCTION**

- **Wetted Parts:** 316 and 17-4 PH stainless steel (options available consult factory)
- **Housing:** 316 stainless steel

**STATIC ACCURACY** (NON-LINEARITY @ +70 °F (BFSL))

- **Standard:** ±0.5%
- **Improved:** ±0.2% and ±0.1%
- **Zero Balance and FSO:** ±1% FSO at +70 °F, 0.5% optional

**MECHANICAL**

- **Process Connection:** 1/4" NPT (F) for ranges <20 KPSI (1.4 BAR)
- **High pressure coned fittings for ranges 20K to 75K PSI (1,379 to 5,171 BAR)**
- **Proof Pressure:** 2X FSO or 22,500 PSI (1,551 BAR), whichever is less
- **Burst Pressure:** 5X FSO or 22,500 PSI (1,551 BAR), whichever is less
- **Approximate Weight:** 10 oz (0.3 kg) nominal, options may increase weight

**PRESSURE RANGES**

- 0 to 5 thru 0 to 75K PSI (0 to 0.3 thru 0 to 5,171 BAR)
  (PSIG, PSIS, PSIA, PSIV & Compound ranges available)

**THERMAL SPECIFICATIONS**

- **Compensated:** 0 °F to +180 °F (-18 °C to +82 °C)
- **Operating Process:** -40 °F to +176 °F (-40 °C to +80 °C)
- **Storage:** -65 °F to +250°F (-53 °C to +121 °C)
- **Effect on Zero/Span:** ±2.0% FSO/100 °F

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Standard configurations shown. Please consult factory for other options.

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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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