MODEL 115 / 215 / 315

FEATURES:

- Ranges from 30 PSID (2 BAR D) to 7,500 PSID (517 BAR D)
- Line pressure to 10K PSI (690 BAR)
- Rugged, all welded, 316L construction
- No seals or o-rings
- Compact size
- Bi-directional operation
- Optional FM & CSA Explosion-proof approval
- Optional FM, CSA or ATEX Intrinsically safe approval

APPLICATIONS:

- Pump and compressor skids
- Hydraulic test stands
- Drilling Rig top drive controls

PRODUCT OVERVIEW:

The Model 115/215/315 from GP:50 is a family of compact, high-range differential pressure transducers. Series units are offered in ranges as low as 0 to 30 PSID (0 to 2 BAR D), with a line pressure range to 10K PSI (690 BAR). Their all-welded, corrosion-resistant, 316L stainless steel construction is without seals or o-rings, helping to ensure their continued reliability within demanding environments. Optional FM, CSA, ATEX intrinsic safety approvals are also available.

FIELD OPTIONS:

- mV/V, Vdc and 4-20 mA output
- Zero & span adjustments
- Alternate process and electrical connections
- Bi-directional operation
- Line pressure to 10K PSI (690 BAR)
ELECTRICAL

- **Supply Voltage:**
  - (Model 115) 3.5 to 15 Vdc excitation
  - (Model 215) 9.0 to 40 Vdc excitation
  - 0 to 10 Vdc output requires 13 to 40 Vdc excitation
  - (Model 315/315Z) 9.0 to 36 Vdc excitation

- **Zero Balance and FSO:** ±2% FSO at +70 °F
- **Output Signal:**
  - (Model 115) 3 mV/V
  - (Model 215) 0 to 5 Vdc (alternate outputs available)
  - (Model 315) 4-20 mA
- **Input Impedance:** (Model 115) 5K Ω nominal
- **Load Impedance:**
  - (Model 115) 50K Ω min. for <0.1% FSO attenuation
  - (Model 215) 750 Ω max. at 24 Vdc and 1,350 Ω at 36 Vdc
- **Circuit Protection:** RFI and EMI
- **Connection:** 36” long PVC jacketed, 24 AWG, 4 conductor cable with shield

MATERIALS OF CONSTRUCTION

- **Wetted Parts:**
  - 316 stainless steel (options available consult factory)
- **Housing:** 316 stainless steel

THE THERMAL SPECIFICATIONS

- **Childmark Temperature:**
  - Compensated: +70 °F to +180 °F (+21 °C to +82 °C)
  - Operating: -20 °F to +190 °F (-29 °C to +88 °C)
  - Storage: -65 °F to +250 °F (-53 °C to +121 °C)
- **Effect on Zero/Span:** ±2.0% FSO/100 °F

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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