

Pressure, Level & Temperature Transmitters & Transducers

2770 Long Road, Grand Island, NY 14072 USA Tel. (716) 773-9300 • Fax (716) 773-5019 sales@gp50.com • www.gp50.com

INDUSTRIAL GRADE PRESSURE TRANSDUCER

Models 111, 211, 311

Custom Engineered to fit your application



- **Model 211:** 0-5 Vdc 9.0-40 Vdc excitation
- Model 311: 4-20 mA 9.0-36 Vdc excitation

Accuracy:

- Static error band includes Hysteresis, Non-linearity, Non-Repeatability
- Option B: ±0.5% BFSL
- Option C: ±0.2% BFSL
- Option D: ±0.1% BFSL

Resolution: Infinite (Practical minimum of 0.02% on 111, 211 & 0.06% on 311)

Zero Balance at 70° F:

• ±2% FSO at 70° F for each

Range Calibration:

Model 111: Resistance value provided on calibration card for 100% FSO

Insulation Resistance:

>10 megohms at 50 Vdc & at 70° F

Temperature Limits:

- · Compensated: -0 to 180°F
- Operating: -20°F to 190°F
- Storage: -65°F to +250°F
- Effect on Zero & Span: < ±2.0% FSO/100°F at FSPR and/or URL

• Electrical Connection: 36" long Belden 8723, 24 AWG, 4 conductor cable (or equivalent)

Electricals:

- Imput Impedance: (Model 111) 350 ohm nominal, full bridge
- Imput Current: (Model 211) 8mA nominal
- Load Impedance:
- (Model 111) 50,000 ohms min. for less than 0.1% FSO attenuation. (Model 311) 1350 ohms max. at 36 Vdc & 750 ohms max. at 24 Vdc.
- Output Current: (Model 211) 2.0 mA max. for less than 0.1% FSO attenuation Turndown. (Model 311) Option GR - 5:1 (3:1 for ranges ≤ 15 PSI)

Mechanicals:

- Proof Pressure: 2 X FSPR (or URL) or 22,500 psi, whichever is less.
- Burst pressure: Gauge/SG/Absolute 5 X FSPR (or URL) or 23,000 psi, whichever is less.
- Vacuum: 5 X FSPR in gauge
- Pressure Response: Less than 5 ms 10% to 90%
- Weight: 10 oz. nominal, options may increase weight
- Wetted Material: 316 & 17-4 PH SST
- Enclosure Material: 316 SST
- Mounting: Pressure port

Unless otherwise stated, these specifications are the standards to which the units are normally constructed. Upgrades or alterations may be easily and readily accomplished by the standard option code or by discussion with the factory. We invite your inquiry.

A5SL-11.00 Rev C

GP:50 reserves the right to make product improvements and amendments to the product specifications stated throughout this brochure without prior notification. Please contact the factory on all critical dimensions and specifications for verification.



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