

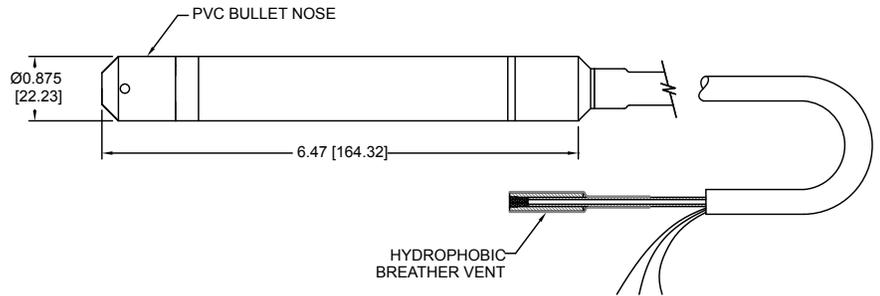
MODEL 913

SERIAL / DIGITAL INTERFACE (SDI-12) SUBMERSIBLE LEVEL TRANSMITTER



STANDARD WIRING

| WIRE | MODEL 913 |
|--------|-------------|
| RED | +EXC |
| BLK | -EXC |
| GRN | SDI-12 DATA |
| WHT | N/C |
| SHIELD | OPEN |



Standard configurations shown.
Please consult factory for other options.

PRODUCT OVERVIEW:

The Model 913 from GP:50 is a high-accuracy submersible level transmitter. It features an asynchronous serial communication output (SDI-12-v 1.3), typically used to monitor environmental data. This also allows for communication with compatible data loggers or data acquisition systems. The incorporation of a hydrophobic breather vent ensures extended trouble-free service within demanding applications. These features, combined with the low power requirements of the Model 913, make it particularly ideal for remote well monitoring applications.

FEATURES:

- SDI-12 interface
- 0-30" WC to 0-300psi (700FTWC)
- Welded, leak-proof, 316L stainless steel construction
- Optional 0.685" (1.7 cm) diameter
- Up to $\pm 0.05\%$ FSO accuracy
- Optional Tefzel® jacketed cable

APPLICATIONS:

- Remote well monitoring (Wet wells, ponds, rivers)
- Ground water monitoring
- Tank level measurements
- Water treatment
- Irrigation systems

OPTIONS:

- Available in 0.875 or 0.685" (2.2 or 1.7 cm) diameter
- Hytrel or Tefzel® jacketed cable
- Titanium construction
- Temperature output

GP:50 MODEL 913

REFERENCE SPECIFICATIONS

(Standard configurations shown, consult factory for other options)

| ELECTRICAL | |
|---------------------|---|
| Output Signal: | SDI-12- standard version 1.3 |
| Temperature Output: | Optional, consult factory |
| Excitation Voltage: | 6.0 to 36 Vdc |
| Circuit Protection: | Short circuit or reversed wired – Indefinite Input protection and EMC filtering |
| Response Time: | 1 sec. |

| MATERIALS OF CONSTRUCTION | |
|---------------------------|--|
| Wetted Parts: | 316L, Hytrel, PVC |
| Housing: | 316L stainless steel (Optional Titanium) |
| Pressure Cavity: | 316L stainless steel (Optional Titanium) |
| Internal Fill: | Fomblin Oil |

| ACCURACY (BFSL): Non-Linearity @ + 70 °F | |
|--|----------------------------------|
| Standard: | ±0.5% |
| Improved: | ±0.2% FSO, ±0.1% FSO, ±0.05% FSO |
| Zero & Span Balance: | ±1% FSO |

| MECHANICAL | |
|------------------------|---|
| Process Connection: | PVC bullet nose |
| Electrical Connection: | Hytrel jacketed, 4-conductor, 18 AWG with vent tube and hydrophobic filter, 8' long, additional lengths available |
| External Pressure: | Case rated to 900 feet WC (275 meters WC) |
| Proof Pressure: | 2X FSO |
| Burst Pressure: | 3X FSO |
| Approximate Weight: | <10 oz. (284 g) |
| Diameter: | 0.875" (2.2 cm) standard, 0.685" (1.7 cm) optional |

| PRESSURE RANGES | |
|---------------------------------|--|
| 0-30" WC to 0-300psi (700FTWC) | |

| THERMAL SPECIFICATIONS | |
|-------------------------|---------------------------------------|
| Operating Range: | -40 °F to +185 °F (-40 °C to +85 °C) |
| Compensated Range: | 0 °F to +140 °F (-7 °C to +60 °C) |
| Storage Ambient: | -40°F to +195 °F (-40 °C to +90.6 °C) |
| Effect on Zero/Span: | < ±2.0% FSO/100 °F |
| Temperature Resolution: | ±0.1 °C |

