

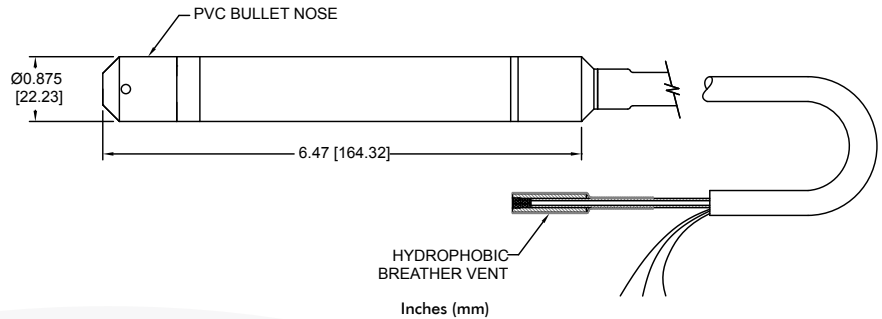
MODEL 913

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 0-700 feet WC (762 mm to 213 meters WC)
- 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
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:	Silicone

ACCURACY (BFSL): Hysteresis, non-Linearity & Repeatability @ + 70 °F	
Standard:	±0.5% FSO
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 0-70 feet WC (762 mm to 213.4 meters WC)	

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

