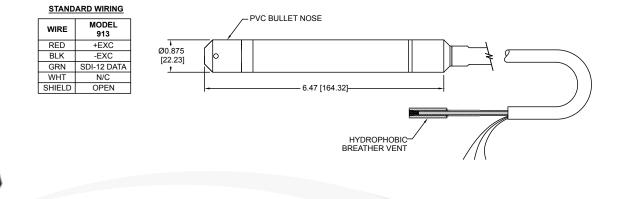


## WASTE WATER SUBMERSIBLES

Standard configurations shown. Please consult factory for other options.

# MODEL 913 SERIAL / DIGITAL INTERFACE (SDI-12) SUBMERSIBLE LEVEL TRANSMITTER



#### **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.

# Welded, leak-proof, 316L stainless steel construction Optional 0.685" (1.7 cm) diameter

**FEATURES:** 

SDI-12 interface

• Up to  $\pm 0.05\%$  FSO accuracy

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

• Optional Tefzel<sup>®</sup> 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



© 2014 GP:50 NY Ltd. | 2770 Long Road, Grand Island, NY 14072 USA

# 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:	Silicone

ACCURACY (BFSL): Hystere	CY (BFSL): Hysteresis, non-Linearity & Repeatability @ + 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	



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.