

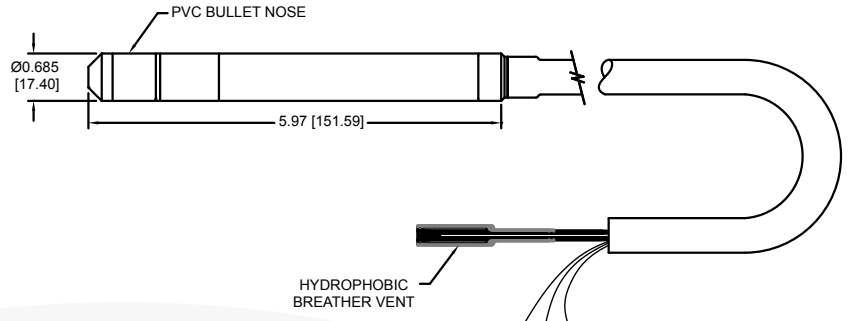
MODEL 313S

SLIM SUBMERSIBLE LEVEL TRANSMITTER (OBSOLETE - See Model 313SL)



STANDARD WIRING

WIRE	MODEL 313S
RED	+EXC/SIG
BLK	-EXC/SIG
GRN	N/C
WHT	N/C
SHIELD	OPEN



**REF DIMENSIONS ONLY.
CONSULT FACTORY FOR ACTUAL DIMENSIONS.**

PRODUCT OVERVIEW:

Model 313S has all the same features as our popular 313L but with a slim 0.685" (17.4 mm) diameter housing for those applications that have limited installation space. All GP:50 submersible level transmitters are built with a rugged leak-proof stainless steel construction, lightning surge protection and an integrated hydrophobic filter to provide accurate level measurement with years of corrosion free service for all types of level applications.

FEATURES:

- Slim 0.685" (17.4mm) diameter housing
- 0 to 20" WC thru 300 PSI (211 meters WC)
- 4-20 mA output
- Rugged, welded, leak-proof stainless steel construction
- Silicon sensor technology
- Up to 0.10% FSO accuracy
- Hydrophobic breather filter

APPLICATIONS:

- Sewage lift and pump stations
- Deep well and borehole
- Groundwater monitoring
- Shipboard level control
- Weirs, wells, pond, reservoir, and dam level

OPTIONS:

- Lightning suppression
- Additional Hytrel cable and Tefzel® jacketed cable lengths

GP:50 MODEL 313S

REFERENCE SPECIFICATIONS

(Standard configurations shown, consult factory for other options)

ELECTRICAL	
Output Signal:	4-20 mA output
Excitation Voltage:	9 to 36 Vdc
Load Impedance:	1400 Ω max. at 40 Vdc excitation
Circuit Protection:	Short circuit or reversed wired – Indefinite
Connection:	Molded Hytrel jacket, 6-conductor with breather tube, 24 AWG, 8' long, optional lengths available, Tetzl cable optional
Response Time:	≤ 5 ms to 90%

MATERIALS OF CONSTRUCTION	
Housing:	Type 316 Stainless Steel

ACCURACY (BFSL): Hysteresis, non-Linearity & Repeatability @ +70 °F	
Standard:	$\pm 0.5\%$ FSO
Optional:	$\pm 0.2\%$ FSO, and $\pm 0.1\%$ FSO
Zero/Span Balance:	$\pm 1.0\%$ FSO @ +70 °F

MECHANICAL	
Process Connection:	PVC bullet nose
External Pressure:	Rated to 500 PSI (35 BAR) max.
Proof Pressure:	2X FSO
Burst Pressure:	4X FSO
Approximate Weight:	10 oz (0.3 kg) nominal, options may increase weight
Diameter:	0.685" (17.4 mm)

PRESSURE RANGES	
0-20" WC thru 300 PSI (50 MBAR to 35 BAR)	

THERMAL SPECIFICATIONS	
Operating:	-40 °F to +150 °F (-40 °C to +66 °C)
Compensated:	0 °F to +140 °F (-17.7 °C to +60 °C)
Storage:	-40 °F to +150 °F (-40 °C to +65.5 °C)
Effect on Zero/Span:	$< \pm 2.0\%$ FSO/100 °F

GP:50

WASTE WATER SUBMERSIBLES

