



LOW-COST SUBMERSIBLE LEVEL TRANSMITTER

MODEL 1102 / 1103

FEATURES:

- Low-cost, high-reliability
- Submersible to 700 feet WC (213.4 meters WC)
- 1" (2.5 cm) diameter
- Up to ± 0.2 % FSO accuracy
- All 316L stainless steel construction (optional titanium)

APPLICATIONS:

- Wet wells, ponds, rivers and tank level measurements
- Water and waste water treatment
- Ground water monitoring
- Irrigation

PRODUCT OVERVIEW:

The Model 1102/1103 from GP:50 is a family of submersible level transmitters, designed to provide high-accuracy measurements at a competitive price point. They are offered with an all 316L stainless steel construction for extended corrosion-free service life. An optional sludge screen is available for viscous media or wastewater applications.

FIELD OPTIONS:

- Lightning and surge protection
- Optional sludge screen for viscous media or wastewater
- Cable lengths to more than 3,000 ft with optional Tefzel® jacketed cable
- Optional Titanium construction



Model 1102 / 1103
Submersible Level Transmitter

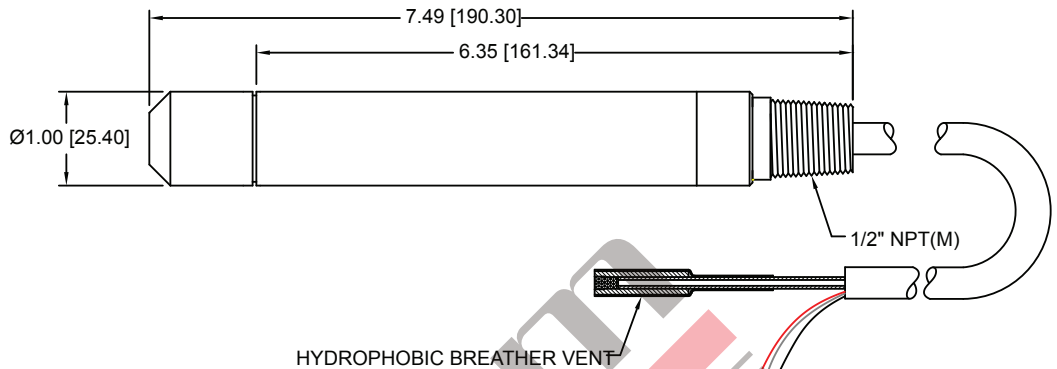
GP:50 MODEL 1102 / 1103

DIMENSIONAL DRAWING

All dimensions are in inches (mm)

STANDARD WIRING

WIRE	MODEL 1102	MODEL 1103
RED	+EXC	+EXC/SIG
GRN	+SIG	N/C
WHT	N/C	N/C
BLK	-EXC/SIG	-EXC/SIG
BLU	N/C	N/C
BRN	N/C	N/C
SHIELD	OPEN	OPEN



REFERENCE SPECIFICATIONS

ELECTRICAL	MECHANICAL
<ul style="list-style-type: none"> • Supply Voltage: 9 to 36 Vdc • Output Signal: (1102) 0 to 5 Vdc (1103) 4-20 mA • Circuit Protection: Lightning and surge protection optional • Response Time: <5 ms • Connection: 1/2" NPT (M) conduit with 8.5' of 18 AWG, 4 conductor, shielded, Hytrel jacketed cable with integral vent tube and hydrophobic filter 	<ul style="list-style-type: none"> • Process connection: PVC protective nose over a 7/16-20 port (M) • Proof Pressure: 1.5X FSO • Burst Pressure: 3X FSO • Weight: <12 oz (340 g) • Diameter: 1" (25.4 mm)
STATIC ACCURACY (RSS) (HYSTERESIS, NON-LINEARITY & REPEATABILITY @ +70 °F) Standard: ±0.5% FSO Improved: ±0.2% FSO Zero & Span Balance: ±2.0% FSO	PRESSURE RANGES <ul style="list-style-type: none"> • 0 to 5 PSI thru 0 to 300 PSI (344 mBAR thru 21 BAR) • 0 to 12 ft WC thru 0 to 700 ft WC (762 mm thru 213 m WC)
MATERIALS OF CONSTRUCTION <ul style="list-style-type: none"> • Housing and Pressure Cavity: 316 stainless steel (Optional Titanium) • Cable: Hytrel (Optional Tefzel) 	THERMAL SPECIFICATIONS <ul style="list-style-type: none"> • Compensated: 0° F to +140 °F (-7 °C to +60 °C) • Operating Temperature: -40 °F to +185 °F (-40 °C to +85 °C) • Storage: -40 °F to +195 °F (-40 °C to +90.6 °C) • Effect on Zero/Span: < ±2.0% FSO/100 °F

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.