

SUBMERSIBLE LEVEL TRANSMITTER

MODEL 313L

FEATURES:

- Available ranges of 0-20" WC thru 300 PSI (50 MBAR to 21 BAR)
- Case rated to 900 feet WC (275 meters WC)
- Up to $\pm 0.10\%$ FSO accuracy
- 316L stainless steel housing with optional titanium
- Hytrel jacketed cable with optional Tefzel®
- Lightning suppression as standard

APPLICATIONS:

- Wet wells, ponds, rivers and tank level measurements
- Water treatment
- Ground water monitoring
- Dredging levels
- Shipboard level control

PRODUCT OVERVIEW:

The Model 313L from GP:50 is a line of highly accurate and reliable submersible level transmitters. The corrosion-resistant 316L stainless steel construction, and an integrated hydrophobic breather vent help provide years of maintenance-free service.

FIELD OPTIONS:

- Slim 0.69" (1.74 cm) diameter (Model 313S)
- Titanium construction (Model 313L-NI)
- Additional Hytrel cable and Tefzel® jacketed cable lengths
- Tapered inlet with stand-off plate for wastewater
- Remote zero and span adjustments



Model 313L Submersible Level Transmitter

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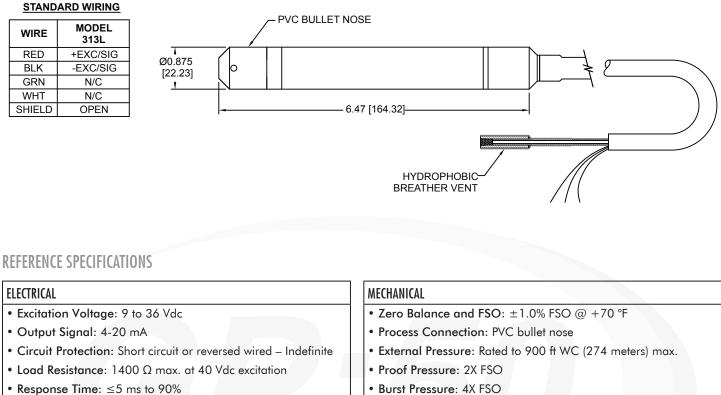
www.GlobalTestSupply.com

sales@GlobalTestSupply.com

GP:50 MODEL 313L

DIMENSIONAL DRAWING

All dimensions are in inches (mm)



• Connection: Hytrel jacketed, 4-conductor, 18 AWG with vent tube and hydrophobic filter, 8' long, other lengths available.

MATERIALS OF CONSTRUCTION

- Housing: 316L stainless steel, optional titanium
- Pressure Cavity: 316L stainless steel

STATIC ACCURACY (RSS) (HYSTERESIS, NON-LINEARITY & REPEATABILITY @ +70 °F)

Standard: $\pm 0.5\%$ FSO, $\pm 0.2\%$ FSO, and $\pm 0.1\%$ FSO

Zero Balance and FSO: ±1.0% FSO @ +70 °F
Process Connection: PVC bullet nose
External Pressure: Rated to 900 ft WC (274 meters) max.
Proof Pressure: 2X FSO
Burst Pressure: 4X FSO
Approximate Weight: 10 oz (0.3 kg) nominal, options may increase weight
Diameter: 0.875" (2.22 cm)
PRESSURE RANGES
0-20" WC thru 300 PSI (50 MBAR to 21 BAR)
THERMAL SPECIFICATIONS
Compensated: 0 °F to +140 °F (-32 °C to +60 °C)
Operating: -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

Standard configurations shown. Please consult factory for other options.

All specifications are for reference purposes only. In the interests of continuous product improvement, all specifications are subject to change without notice. Please contact



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