

prosense® SBLT Series Submersible Level Transmitters

Overview



Part No. [SBLT-010-L50](#)

The ProSense SBLT series hydrostatic submersible level transmitters provide continuous liquid level measurement by sensing the hydrostatic pressure produced by the height of liquid above the sensor and providing a 4-20 mA output signal compatible with PLCs, panel meters, data loggers, and other electronic equipment.

The ProSense SBLT series is a highly accurate continuous level sensing solution for water applications offering a very slim housing diameter of only 0.63 inches, extended sensing ranges up to 461.3 feet of water and cable lengths up to 500ft making the SBLT ideal for deep wells, small bore holes, and standpipe applications. The SBLT also includes integral lightning protection, and certifications for drinking water applications. Available ProSense submersible level transmitter accessories include a desiccant drying tube, bellows, and terminating enclosure.

Features

- Ideal for deep wells, small bore holes, and standpipe applications
- Seven full scale ranges from 23.1 to 461.3 feet of water
- The SBLT is Classified UL Water Quality and NSF Certified for drinking water applications
- Excellent 0.25% Total Error Band (TEB) accuracy
- 4-20 mA output signal models include integral lightning protection
- Rugged 316L stainless construction
- Very slim 0.63" outside diameter housing
- Polyethylene jacketed shielded cable with atmospheric vent tube



SBLT Series Submersible Level Transmitters					
Model	Range	Cable Length	Diaphragm	Price	Drawing Link
SBLT-010-L50	0 to 10 psig (23.1ft of water column)	Shielded and vented 50ft cable	Stainless steel diaphragm with polyamide protective cap	\$777.00	PDF
SBLT-015-L60	0 to 15 psig (34.6ft of water column)	Shielded and vented 60ft cable		\$794.00	PDF
SBLT-030-L100	0 to 30 psig (69.2ft of water column)	Shielded and vented 100ft cable		\$860.00	PDF
SBLT-050-L150	0 to 50 psig (115.5ft of water column)	Shielded and vented 150ft cable		\$942.00	PDF
SBLT-100-L260	0 to 100 psig (230.7ft of water column)	Shielded and vented 260ft cable		\$1,124.00	PDF
SBLT-150-L375	0 to 150 psig (346ft of water column)	Shielded and vented 375ft cable		\$1,313.00	PDF
SBLT-200-L500	0 to 200 psig (461.3ft of water column)	Shielded and vented 500ft cable		\$1,520.00	PDF

SBLT Series Submersible Level Transmitter Technical Specifications	
Total Error Band Accuracy¹	+/- 0.25% of full range
Wetted Materials	316L stainless steel, polyamide, polyethylene, EPDM rubber
Compensated Temp. Range	0 to 50°C [32 to 122°F]
Operating Temp. Range	-10 to 60°C [14 to 140°F]
Protection Rating	IP68
Supply²	12-32 VDC
Input Current	3.2-22 mA
Output	4-20 mA
Load Resistance (Ω)	< (Supply-11V) / 0.022A
Mounting	Vertical
Circuit Protection	Polarity, surge/shorted output, lightning protection
Cable Jacket Material	Polyethylene
Number of Conductors	2 + Drain
Conductor Size	26 AWG
Certifications / Agency Approvals	Classified UL water quality (MH66873), NSF/ANSI/CAN 61 and 372, CE

¹ TEB: Total Error Band; Includes the combined effects of non-linearity, hysteresis and non-repeatability as well as thermal dependencies, over the compensated temperature range.