

LEVEL & PRESSURE Submersible Transmitters

Pyxis® LSP Series Submersible Level Transmitters

- Features 4-20 mA and Bluetooth® digital outputs
- Can be battery powered or hard wired; use virtually anywhere
- Sensor material options available for corrosive liquids, chemical or process tank applications

Innovative Pyxis LSP series submersible transmitters deliver accurate level measurements where other liquid level sensors fail. Use with a wide range of liquids to continuously measure level up to 32 feet. These exceptionally flexible transmitters operate on your choice of wired or battery power for use virtually anywhere, including open and closed vessels. They're equipped with both 4-20 mA analog and Bluetooth digital outputs. Assign the analog output to one of three parameters: level, volume remaining or volume consumed.

All transmitters must be initially configured via the wireless Bluetooth connection. Configuration is fast and easy—simply download the free uPyxis® desktop PC software or smart device app at pyxis-lab.com. If you're using a desktop PC, a Bluetooth-to-USB adapter (stock # 53474) must be purchased separately. During operation, use the powerful, intuitive smart device app to access both historical and real-time continuous sensor data.

Two power supply options available

Choose from compact transmitters without display or standard models with an integral display and additional functionality. **Compact models (no display)** operate on 24-VDC power only, offering an economical yet accurate way to perform level measurements.

Standard models with display run on 24 VDC, with the added flexibility of operating on battery power—great for applications without an external power source nearby or where routing wiring isn't possible. View real-time data on the built-in display, and store up to six months of data to the integral data logger. Measuring-rate interval is adjustable to assist with battery life (typically 6 to 9 months when rate is set to one hour). **Note:** When using battery power, only the Bluetooth output is functional.

Includes: remote electronics housing, sensor with integral submersion cable, 2" NPT(M) bulkhead adapter with internal cable gland, and standard power/output cable. Order end-to-end plug-in extension cables separately.

Range:	0 to 393" H ₂ O (32 ft H ₂ O)/14 psi
Accuracy:	±0.2% of range
Resolution:	0.02" (0.5 mm)
Output:	4-20 mA
Communications:	Bluetooth® Version 5.0 (32-ft line-of-sight wireless operation)
Display:	1.3" OLED and 4 pushbuttons (models with display only)
Power	
Compact models (no display):	24 VDC, 2.0W max
Standard models w/ display:	24 VDC, 2.0W max or four AA Li/SOCI2 batteries (not included)
Data logging:	6-month capacity @ 60 min/log rate (models with display only)
Operating conditions:	14 to 140°F
Materials:	polycarbonate housing, PTFE cables, and 316L stainless steel/PVC/PVDF sensor (varies by model)
Mounting	
Housing:	1" NPT(M); includes 2" NPT(M) glanded cable-sealing bulkhead adapter suspension via tethered cable
Sensor:	
Cable	
Housing:	10'L (power and output connections), extend with extension cables (sold separately)
Sensor:	32.8'L (between sensor and housing, with integral vent tube), fixed
Dimensions	
Housing:	4.33"H x 2.95"Dia (compact models) or 5.42"H x 3.15"Dia (standard models)
Sensor:	6.14"L x 1.1"Dia
Approvals:	IP66 (housing), IP68 (sensor)



LSP-100 with Stainless Steel Sensor (53482) shown installed in optional wall mount bracket (53481)

NEW!

Pyxis



LSP-201 with PVC Sensor and No Display (46754)



LSP-300 with PVDF Sensor (53484) is ideal for measuring most chemical storage tanks

Select models feature integral display

Simple wireless Bluetooth programming and operation

MFR #	SENSOR MATERIAL	STOCK #	EACH
COMPACT MODELS (NO DISPLAY), 24 VDC ONLY			
LSP-101	Stainless Steel	46753	\$
LSP-201	PVC	46754	
LSP-301	PVDF	46755	
STANDARD MODELS WITH DISPLAY, 24 VDC & BATTERIES*			
LSP-100	Stainless Steel	53482	\$
LSP-200	PVC	53483	
LSP-300	PVDF	53484	

* Use four Li/SOCI2 AA batteries (not included; order stock # 53480 separately).

Replacement Items & Accessories

MFR #	DESCRIPTION	STOCK #	EACH
50774	Replacement Standard Cable, 10'L, 7-Pin Female x Flying Leads	53475	\$
50775	Extension Cable, 25'L, 7-Pin Male x Female	53476	
50776	Extension Cable, 50'L, 7-Pin Male x Female	53477	
50777	Extension Cable, 100'L, 7-Pin Male x Female	53478	
MA-NEB	Bluetooth-to-USB PC Adapter	53474	
50770	Wall Mounting Bracket	53481	
50731	Li/SOCI2 AA Batteries, Pack of 4	53480	
—	24-VDC Power Supply, 15W, DIN-Rail Mountable	74178	
—	Isolation Barrier, DIN-Rail Mountable	17702	