

# LEVEL & PRESSURE Ultrasonic Transmitters

# Pyxis

**NEW!**

## Pyxis Ultrasonic Level Transmitters

- Provides 4-20 mA, RS485 and Bluetooth digital outputs
- Powered by either 24 VDC external power or AA batteries
- Reliable readings even in corrosive liquid, chemical or process tank applications

These innovative non-contact ultrasonic transmitters deliver reliable readings where other liquid level sensors fail—including corrosive liquid, chemical and process monitoring applications. Use them for continuous level measurement up to 86" (7.1 ft). Their unique design plus multiple output and power options lets you use them virtually anywhere, including in both open and enclosed vessels.

Transmitters provide three output options: a 4-20 mA analog output, and RS485 and Bluetooth wireless digital outputs. Assign analog output to one of four parameters: level, distance, volume remaining or volume consumed. Select models feature an integral display that shows data in real time. Use model LS-202EX in applications requiring intrinsically safe devices (isolation barrier sold separately below).

Transmitter configuration is quick and easy via Bluetooth connectivity. Intuitive software lets you monitor both historical and real-time continuous sensor data, log and email trend graphs, and instantly change parameters. Simply download the free uPyxis® desktop PC software or smart device app. For use with a desktop PC, a Bluetooth to USB adapter (sold separately below) is required.

### Two power supply options provide flexibility

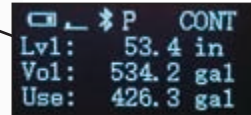
All transmitters can be externally powered via 24 VDC, which allows all output functions. Models with display can also be powered by four AA alkaline batteries (included). Use battery power to measure level where external power is not available, or to use the unit as a portable device—move from site to site for quick liquid inventory checks. When using battery power, only the Bluetooth output functions.

**Includes:** 10'L long standard cable. Order end-to-end plug-in extension cables separately. LS-202 and LS-202EX also include four AA batteries.

MFR #	DESCRIPTION	RANGE	DISPLAY	POWER SUPPLY	DIMENSIONS (H x DIA)	STOCK #	EACH
LS-200	Ultrasonic Transmitter	4 to 86"	No	24 VDC	4.33" x 2.95"	53471	\$
LS-202	Ultrasonic Transmitter	4 to 78"	Yes	24 VDC or 4 AA Batteries	5.42" x 3.15"	53472	
LS-202EX	Ultrasonic Transmitter, Intrinsically Safe	4 to 78"	Yes	24 VDC or 4 AA Batteries	5.42" x 3.15"	53473	

### 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	
—	24-VDC Power Supply, 15W (DIN Rail Mountable)	74178	
—	Isolation Barrier (DIN Rail Mountable)	17702	



**Wireless Bluetooth® programming is simple via PC or smart device**

<b>Range:</b>	up to 86" (7.1 ft), varies by model
<b>Accuracy:</b>	±0.15% of range
<b>Resolution:</b>	0.02" (0.5 mm)
<b>Deadband (blanking distance):</b>	4"
<b>Output:</b>	4-20 mA, RS-485 Modbus
<b>Communications:</b>	Bluetooth Version 4.1 (32-ft line of sight wireless operation)
<b>Display:</b>	1.3" OLED and 4 pushbuttons (LS-202 & LS-202EX only)
<b>Power</b>	
LS-200:	24 VDC, 2.0W max
LS-202/202EX:	24 VDC, 1.0W max or four AA alkaline batteries (included)
<b>Temp compensation:</b>	integral
<b>Operating conditions</b>	
LS-200:	14 to 122°F
LS-202/202EX:	14 to 140°F
<b>Materials:</b>	PVDF lower transducer housing, polycarbonate upper housing, PTFE cable
<b>Mounting:</b>	1" NPT(M)
<b>Enclosure</b>	
LS-200:	IP67
LS-202/202EX:	IP65
<b>Approvals (LS-202EX):</b>	Class I & 2, Div 2; Class III, Div 1 & 2

## We also RECOMMEND...

### IDEC DC Power Supplies

- Compact size preserves panel space
- Approved for use in Class 1 Division 2 hazardous locations

For use in new instrument installations, or to replace existing power supplies. They accept a wide range of input voltages, and are mountable in up to six directions. Units feature an MTBF (Mean Time Between Failure) of up to 900,000 hours. 5-year warranty.

MFR #	VOLTS	WATTS	AMPS	STOCK #	EACH	MFR #	VOLTS	WATTS	AMPS	STOCK #	EACH
PS5R-VB05	5	10	2.0	74176	\$	PS5R-VD24	24	60	2.5	74181	\$
PS5R-VB12	12	15	1.3	74177		PS5R-VE24	24	90	3.75	74182	
PS5R-VB24	24	15	0.65	74178		PS5R-VF24	24	120	5.0	74183	
PS5R-VC12	12	30	2.5	74179		PS5R-VG24	24	240	10.0	74184	
PS5R-VC24	24	30	1.3	74180							

### Accessories

DESCRIPTION	STOCK #	EACH
1-Meter Aluminum DIN Rail	71088	\$

See page 323 for complete specifications.

