LS-200 Ultrasonic Level Transmitter

The Pyxis LS-200 is a general purpose and innovative ultrasonic liquid level sensor that replaces float, conductance and pressure sensors that fail due to contact with dirty, sticky and scaling liquids in small, medium and large capacity tanks. These liquid level sensors can be used in either open or enclosed tanks. The sensor provides continuous level measurement up to 86 inches (2.2m) with a 4-20 mA signal output, RS485 and Bluetooth digital output, and can be configured via Pyxis free uPyxis® APP for both smartphone or desktop. The LS-200 sensor can be powered by a 24VDC external power source via the 10' output and power supply waterproof cable provided. This noncontact liquid level sensor is well suited for corrosive liquids chemical or process tank applications.

Typical Applications

The Pyxis LS-200 Ultrasonic level sensor is ideal for use as a water level sensor, water & process chemical tank level sensor, liquid level transmitter, or other applications requiring accurate and continuous liquid level control or liquid level measurement.

Features

- Dual embedded transmitters in sensor body for selection – 4-20mA or RS-485 supporting MODBUS

- Bluetooth® Version 4.1 for measurement result output and configuration (32+ ft Line of Site)

- Single power supply: 24VDC external power and smart switch capability

- Easy and quick configuration via uPyxis® APP on mobile phones or PC

- PVDF transducer and 6P polycarbonate enclosure for corrosive liquids

- Automatic temperature compensation for accurate measurement despite condensation

Specifications

Items	Specification
Device	**LS-200**
P/N	54011
Range	4 – 86 inches (0.1-2.2 M)
Accuracy	±0.15% of range
Resolution	0.02 inch (0.5mm)
Dead band	4 inches (10mm)
Configuration	uPyxis® APP in mobile phone
Power supply	24VDC, 2.0W Max
Signal output	Bluetooth® Version 4.1 – 32 Ft line of site 4-20mA, RS-485 MODBUS
Measurement Interval	Continuously (5 readings per second), 3 min, 10 min, 60 min, configurable
Enclosure Rating	IP67
Process mount	1'' NPT
Storage temperature	-4 - 158°F (-20 °C - 70° C)
Operational temperature	14 - 122°F (-10° C - 50° C)
Pressure	14 – 30 PSI (0.1 – 0.2 MPa)
Enclosure material	Polycarbonate
Transducer material	PVDF
Dimension	4.0inch (101mm) long, 3.0inch (75mm) diameter
Weight	145g (0.32lbs)
Regulation	CE

*With Pyxis' continuous improvement policy, this specification is subject to change without notice.

Ordering Information

LS-200 *(includes 10' Flying Lead Cable w Adapter)*   P/N: 54011

Accessories

Waterproof 10' Flying Lead Cable w/Adapter   P/N: MA-L10
25' Waterproof Extension Cable   P/N: MA-L25
50' Waterproof Extension Cable   P/N: MA-L50
100' Waterproof Extension Cable   P/N: MA-L100