

USL/USF-1000

Ultrasonic Transmitter



Features

- Range of 1-25 feet
- Resolution of 0.1 inch
- Accuracy of +/- .25% range
- Field programmable
- 4-20 mA dc output
- 4 configurable alarm contacts

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Description

The Eagle Microsystems ultrasonic level monitoring system is designed to provide an accurate and low cost solution for the monitoring of liquid level and flow. The system includes the digital level indicator as well as one or more ultrasonic level sensors. The standard sensor has a sensing range of 1 – 25 feet.

The Measured value is displayed on a 2 line, 16 character backlit LCD and can be transmitted to monitoring equipment in a number of ways. A menu driven interface is accessed with a 4 pushbutton interface.

This system can be used for chemical inventory control as a standalone unit or in conjunction with a scale to record weight as well. It can also act as a flowmeter when placed over a variety of weir types. Either configuration has up to a month of data logging capacity

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| Specifications | |
|--------------------------|--|
| Indicator | |
| Display | 2 line 16 character LCD |
| Interface | 4 tactile pushbuttons |
| Power | 120 V ac, 60 Hz |
| Enclosure | NEMA 4X Fiberglass wall mount |
| Analog Outputs | 4-20 mA dc 650 ohms max |
| Relays | (4)250 V ac @ 3A, 32 V dc @ 3A |
| | |
| Sensor | |
| Operating Range | 1-25 ft. |
| Beam Pattern | 9° off axis |
| Temperature Compensation | Internal |
| Accuracy | +/- 0.25% of detected range |
| Environmental Rating | IP65 |
| Process connection | 2" NPT threads |
| Cable Length | Customer to specify |
| | |
| Weir types | Constrained and unconstrained rectangular, Partial flume, V-notch, Palmer-Bowlus |
| Options | Additional 4-20 mA DC input, High impedance probe input, scale input, Wi-Fi connectivity |

