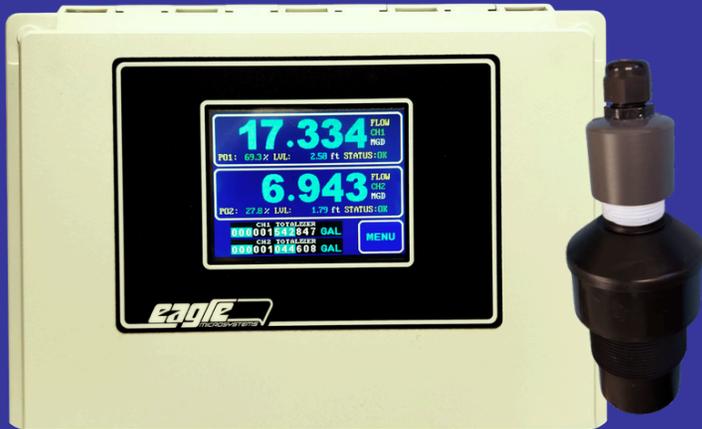


# USF/USL-2000

## Ultrasonic Flow/Level Monitor



### Features

- High resolution touchscreen display
- NEMA 4x enclosure
- Accuracy of +/- 1% range
- Field Programmable
- (2) 4-20mA dc outputs
- (6) Configurable alarm contacts
- 12 digit totalizer

USF/L-2000

### Description

The Eagle Microsystems USF/USL-2000 provides a precise and reliable solution for continuous flow and level measurement. The system includes a 3.5-inch color touchscreen indicator and one or two ultrasonic sensors, offering flexibility for single or dual-point monitoring.

The standard ultrasonic sensor measures from 0.75 ft to 12 ft, delivering accurate and stable readings in a wide range of applications. Measured values are displayed on the touchscreen and can be transmitted to external monitoring or control systems via multiple analog and digital outputs.

A menu-driven touchscreen interface allows for straightforward configuration and calibration without the need for external programming tools.

The USF/USL-2000 can be configured as a flow meter for various primary flow elements, including rectangular weirs, V-notch weirs, Palmer-Bowlus flumes, and Parshall flumes. This flexibility makes it suitable for both municipal and industrial process applications requiring dependable non-contact flow or level monitoring.

Your Source for Precision Process Solutions



# Specifications

**USF/USL-2000**

Ultrasonic Flow/Level Monitor

Display	3.5" color TFT touch screen	
Indicator Dimensions	9.3" x 7" x 5.7"	
Power	120V AC, 60 Hz	
Enclosure	NEMA 4X Fiberglass wall mount	
Analog Outputs	(2) 4-20mA dc 600 ohms max	
Relays (SPST)	(6) 250v ac @ 3A, 32v dc @ 3A	
Weir Types	Constrained and Unconstrained, Rectangular, Partial Flume, V-Notch, Palmer-Bowlus	
<b>OPTIONS</b>		
Wired Ethernet IP	Datalogger w/microSD card	
Modbus-RTU/Profibus	Long Term Battery Backup	
<b>Sensor Specifications</b>		
Sensor Model	Long	Short
Range	0.75' - 12'	0.5' - 5'
Beam Width	12°	10°
Temperature Compensation	Internal	Internal
Process Connection	2" NPT	1.5" NPT
Cable Length	As specified	As specified

