

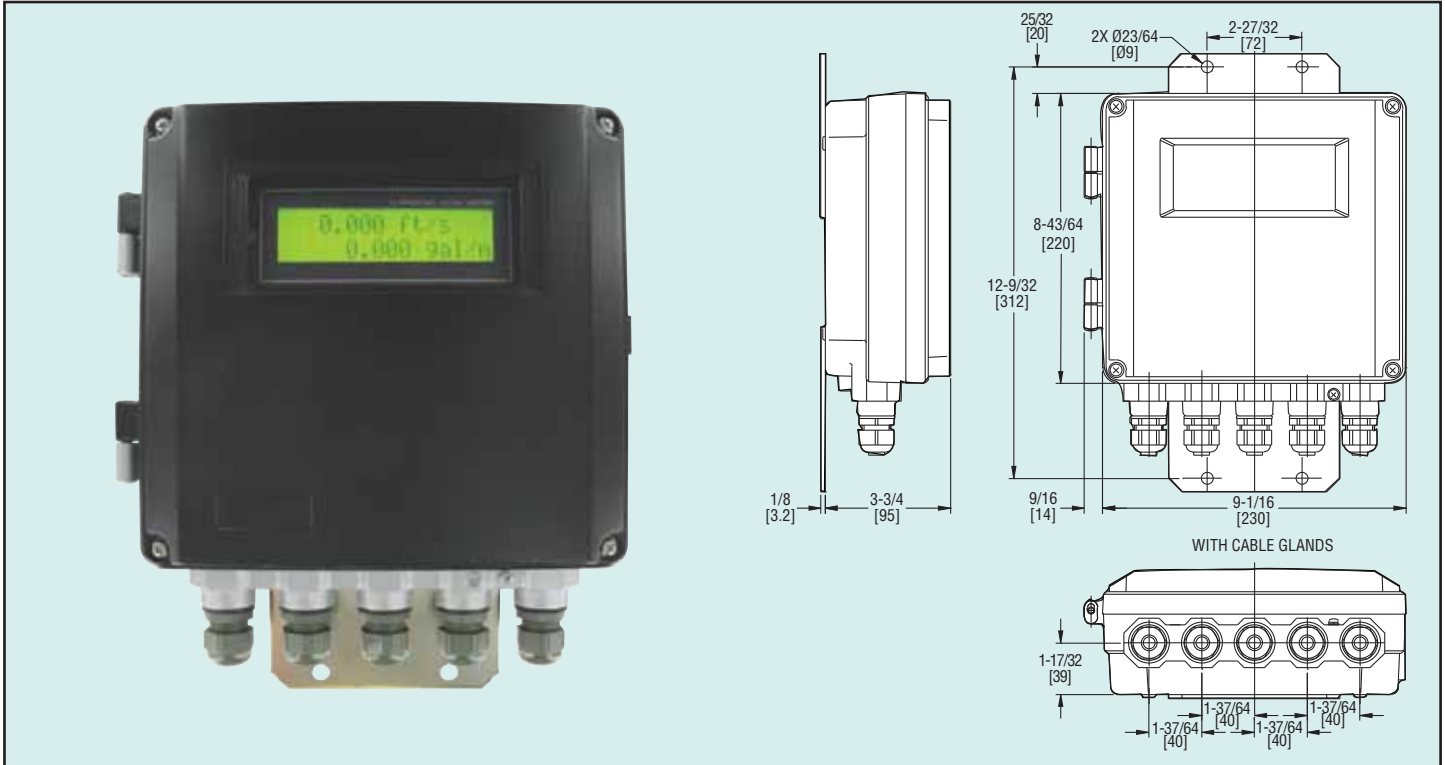


Series
UXF1

Ultrasonic Flowmeter Converter

Excellent Performance and Easy Operation

Flow



Series UXF1 Ultrasonic Flowmeter Converters are paired with Series SX1 or SX2 sensors in order to utilize the transit-time measuring method. Thanks to microprocessor based electronics, the flowmeter can easily be configured from the front keypad to specific applications. The flowmeter is suitable for liquid flow measurements for pipes from 1/2 inch to 19.5 feet diameter.

This flowmeter is a compact and lightweight instrument incorporating the latest electronics and high speed digital signal processing technologies (32 bit MPU), realizing high performance and easy operation.

Series UXF1 Ultrasonic Flowmeter Converters:

- Compact and lightweight
- High accuracy
- Excellent resistance against aerated flow
- Quick response with high-speed microprocessor
- Multilingual display (English, Japanese, German, and French)
- Large LCD and function keys

SPECIFICATIONS

Service: Liquid flow through which ultrasonic signal can be transmitted (water, sea water, oil, and fluid of unknown velocity).

Input: Sensor cable radio frequency coaxial cable RG-58A/U.2.

Range: 0 to ±105 fps (0 to ±32 m/s) (bidirectional flow).

Display: LCD with backlight, 16 letters 2 lines.

Accuracy: ±1.0% of rate.

Power Requirement: 100 to 240 VAC ±10% 50/60Hz, or 20 to 30 VDC.

Power Consumption: Approx. 20 VA.

Temperature Limits: Ambient 14 to 140°F (-10 to 60°C).

Outputs: Analog: One 4 to 20 mA DC current output;
Digital: Two transistor outputs available, Open collector output: 30V DC, 0.1A.

Serial Communications: RS232-C equivalent.

Enclosure Rating: IP65.

Materials: Aluminum alloy.

Electrical Connections: Screw terminals.

Mounting: Wall or pipe mount.

Weight: 10 lb (4.5 kg).

Model No.	Description	Power Supply
UXF1-A	Outdoor Converter	100-240 VAC 50/60Hz
UXF1-B	Outdoor Converter	20-30 VDC