**Series PUX2 Portable Ultrasonic Flowmeter Converter**

Data Logging and BTU Capability

The Series PUX2 Portable Ultrasonic Flowmeter Converters are paired with Series PSX2 sensors in order to utilize the transit-time difference for measuring flow rates in pipes from the outside. It is a compact and lightweight instrument incorporating the latest electronics and digital signal processing technologies, realizing high performance and easy operation. This device is designed for high accuracy and high-speed response. This portable unit is capable of 12 hours of continuous operation with its built-in battery, which requires only 3 hours to recharge. The rugged NEMA 3X (IP54) enclosure allows the PUX2 to be exposed to rain, while the efficient layout of the function keys aids the user with easy page selection and setting changes. The built-in USB port allows for easy connection to a personal computer. See bulletin F-9-PUX2 for more details.

**Features**
- SD memory card slot for recording data
- USB port for easy PC connection
- High accuracy
- Large type color graphic LCD
- Flow rate, flow velocity, and flow totalization functions
- Thermal flow rate (BTU) function with two temperature inputs perfect for energy audits

**Specifications**
- **Service:** Homogenous liquids (water, sea water, oil, and fluid of unknown velocity) capable of ultrasonic wave propagation.
- **Inputs:** BNC connector, coaxial cable from flow sensor. Two 4-20 mA DC, or one 4-20 mA DC and one 1 to 5 V DC.
- **Range:** 1 to ±105 fps (0.3 to ±32 m/s).
- **Display:** LCD 240 x 320 dot (with back light).
- **Accuracy:** ±1.0 % of rate.
- **Power Requirements:** Built in special type lithium battery (continuous operation time: 12 hours without printer and back light off) (recharging time: 3 hours, power adapter used).
- **Power Consumption:** 3W.
- **Power Adapter:** Special type power adapter 90 to 264 VAC, 50/60 Hz.
- **Power Failure Backup:** Memory backup with lithium battery (effective term, 10 years).
- **Temperature Limits:** Ambient 131°F (55°C) without printer; 113°F (45°C) with printer.
- **Output:** 4 to 20 mA DC, 1 point (load resistance, 0 to 600 Ω).
- **Serial Communications:** RS-485, 1 point.
- **Enclosure Rating:** NEMA 3X (IP54) (without printer).
- **Material:** Plastic case.
- **Weight:** 2.2 lb (1 kg) without printer; 2.65 lb (1.2 kg) with printer.

**Option**
For NIST traceable calibration certificate, use order code NISTCAL-FU.