Micronics Ultraflo U1000MKII WM FM Clamp-on Flow Meter with Wall Mounted Keypad & Display

Product Images

Short Description

The Ultraflo U1000MKII-FM-WM is a Clamp-on, Ultrasonic flow meter with a separate wall mounted keypad and display, a "Best Value" alternative to traditional in-line flow meters, for commercial and industrial water flow measurement applications. Offering significant installation cost and dry maintenance benefits over traditional in-line products.

Description

The Ultraflo range of clamp-on metering solutions offers a complete package alternative to traditional in-line flow and energy meters. If you need to monitor and manage water and energy consumption in your facility, the Ultraflo range offers a best value solution including lower cost, no disruption installation and dry maintenance for hot and chilled water applications ranging from 22 to 225mm OD.

Key Features & Benefits

- **New:** Clamp-on pipe mounted sensors with **Wall Mounted keypad and display** for wall or panel mounting
- **New:** larger pipe range Available in 2 options. 22mm – 115mm OD and 125mm – 225mm OD
- **New:** Optional Modbus RTU slave, RS485 serial and M-Bus communication.
- **New:** Ultrasonic, cross-correlation transit time method for flow measurement.
- **New:** 1Mhz transducers to get through poor/old thick wall pipes and larger pipework
- **New:** Water/Glycol option
- **Simple to install:** connect power and enter the pipe inside diameter, adjust the sensors and clamp-on the pipe, no specialist skills or tools required
- A clamp-on non-invasive alternative to traditional in-line meter installation, plus dry servicing, providing minimum downtime and maximum availability.
- LCD with backlight – install & service information.
- Integrated pulse and optional 4-20mA output – aM&T & BEM's compatible with Modbus.

The alternative to cutting pipes and mechanical meters, for simple, low cost flow measurement from outside the pipe!

APPLICATIONS
- Hot water metering and flow measurement
- Flow measurement for heat metering
- Chilled water metering and flow measurement
- Flow measurement for chilled water energy metering
- Potable water metering and flow measurement
- Process water metering and flow measurement
- Ultrapure water measurement.

INDUSTRIES: Building Services, Energy Management, Water Treatment, Chemical, Pharamceutical, Petrolchemical, Food

RECOMMENDED FOR: Hot water, Chilled water, Potable water, Demineralised water, Chilled Water with Glycol

PIPE MATERIALS: Steel, Stainless Steel, Plastic and Copper.

Additional Information

Country of Manufacture	United Kingdom
Explanation	**Measurement Technique:** Utrasonic, cross-correlation transit time method for flow measurement. **Turn Down Ratio:** 100:1 **Accuracy:** ±3% of flow reading for velocity rate >0.3 m/s (>1 ft/s) **Flow Velocity Range:** 0.1 to 10m/s (0.3ft/s – 32ft/s), **Pipe Range:** 25mm – 115mm OD and 125mm – 225mm OD. Note pipe size is dependent on pipe material and internal diameter. **Pipe Material:** Steel, Stainless Steel, Plastic and Copper **Water Temp Range:** 0°C – 135°C (32°F – 275°F). **Pulse Output:** Pulse or Frequency. Pulse for volume flow and alarms. Frequency for flow rate. The pulse output can be configured as loss of signal or low flow alarm. Opto-isolated MOSFET volt free contact [NO/NC]. **4-20mA Output:** Optional 4-20mA flow proportional output. Resolution 0.1% of full scale. Maximum load 620Ω. **Modbus Communication:** Optional Modbus RTU slave, RS485 serial link hardware layer. Physical connection RS485. **External Power Supply:** 12V-24V +/- 10% AC/DC at 7 watts. Optional plug in 12V power supply **Electronics Enclosure:** IP68. **Wall Mounted Keypad and Display** **Dimensions:** 215mm x 125mm x 90mm [8.46" x 4.92" x 3.54"].
Brand	Micronics
Typical applications	Building Monitoring, Building Performance, Energy, Food Processing, HVAC, Pharmaceutical, Waste Water
Measurements	Water Flow
Installation	Includes transducer guide rail and all mounting hardware.

Additional Options

Options	Pulse Only, up to 4" pipe (SKU: MC904-11001400)
	Pulse Only, up to 8" pipe (SKU: MC904-11004800)
	With Pulse & 4-20mA, up to 4" pipe (SKU: MC804-11001401)
	With Pulse & 4-20mA, up to 8" pipe (SKU: MC804-11004801)
	With Pulse & Modbus, up to 4" pipe (SKU: MC804-11001402)
	With Pulse & Modbus, up to 8" pipe (SKU: MC804-11004802)
	With Pulse & M-bus, up to 4" pipe (SKU: MC804-11001403)
	With Pulse & M-bus, up to 8" pipe (SKU: MC804-11004803)
	With Pulse, 4-20mA & Modbus, up to 4" pipe (SKU: MC904-11001404)
	With Pulse, 4-20mA & Modbus, up to 8" pipe (SKU: MC904-11004804)
	With Pulse, 4-20mA & M-bus, up to 8" pipe (SKU: MC904-11001405)
	With Pulse, 4-20mA & M-bus, up to 8" pipe (SKU: MC904-11004805)
Optional 12V Wall Power Supply	U1000 12V Wall Power Supply