Technical Datasheet

Micronics Ultraflo U1000MKII-FM Clamp-on Meter

The U1000MKII FM is an ultrasonic permanent clamp on flow metering solution that measures flow rate and total flow with a volume pulse output and optional Modbus or 4 to 20 mA flow proportional output. It can be a standalone meter or part of an integral management system. It is a cost effective alternative to cutting pipes and mechanical in line meters, with dry servicing, minimum downtime and installation in just a few minutes without shutting down flow or draining the system.

Features:

- Clamp on, no pipe cutting or shutdown
- Ultrasonic transit time flow measurement
- Volume pulse output
- Optional Modbus RTU or 4 to 20 mA output
- Pipe range 22 to 180 mm outside diameter
- Dry servicing for minimum downtime
- Made in Britain



Managed Services

Meter Data Management

Billing Solutions

PAYG Management

Online Account Management

sycous.com

Sycous Limited is Registered in England and Wales. Company Number 08836039

Technical Datasheet
Micronics Ultraflo U1000MKII-FM Clamp-on Meter

Part Codes	
MI100CL	Sycous WR1000 Clamp on Flow Meter, A Transducers, 22 to 100 mm, Pulse
MI101CL	Sycous WR1000 Clamp on Flow Meter, B Transducers, 125 to 180 mm, Pulse
SY912CO	Clamp On Meter Site Visit and Survey

Technical Specification	
Measurement	
Technique	Ultrasonic transit time
Turn down ratio	200:1
Accuracy	Plus or minus 1 to 3 % of flow reading above 0.3 m/s
Flow velocity range	0.1 to 10 m/s
Pipe range	22 to 115 mm or 125 to 180 mm outside diameter (depends on pipe material and internal diameter)
Water temperature range	0 to 85 °C
Outputs	
Pulse output	Pulse or frequency. Pulse for volume flow and alarms, frequency for flow rate. Can be set as a loss of signal or low flow alarm
4 to 20 mA	Optional flow proportional output
Modbus	Optional Modbus RTU slave, RS485, 1 m connection cable
Electrical and mechanical	
External power supply	12 to 24 V, plus or minus 10 %, AC or DC, 7 W per unit. Optional plug in 12 V power supply
Electronics enclosure	IP54
Input and output cable	5 m x 6 core for power in, 4 to 20 mA and pulse out
Dimensions	250 x 48 x 90 mm (electronics and guide rail)

Managed Services

Meter Data Management

Billing Solutions

PAYG Management

Online Account Management

sycous.com

sycous.com +44 (0) 113 3604 776 info@sycous.com New York House, 1 Harper Street, Leeds, LS2 7EA

Sycous Limited is Registered in England and Wales. Company Number 08836039