SERIES UFM2 | COMPACT ULTRASONIC FLOWMETERS

FEATURES/BENEFITS

- **Non-invasive pipe measurement**
- **Simple installation with all necessary components included such as converter, sensor, cables and mounting accessories**
- **Compact and lightweight design, featuring an easily installed, all in one clamp-on unit intended for homogeneous liquids that contain no air**
- **Screen offers easy-to-read text displaying both flow rate and total with a convenient backlight for visual comfort**

APPLICATIONS

- Flow measurement for heat metering
- Metering and monitoring in:
  - Chilled water
  - Potable water
  - Process water

DESCRIPTION

The **Series UFM2 Compact Ultrasonic Flowmeters** are economical, clamp-on, ultrasonic flowmeters. The UFM2 implements the transit-time difference to measure flow rates in pipes and can measure velocity and flow in pipes with outside diameters ranging from 3/4 to 7″ (25 to 180 mm). This model comes with a volume pulse and 4-20 mA flow rate output.

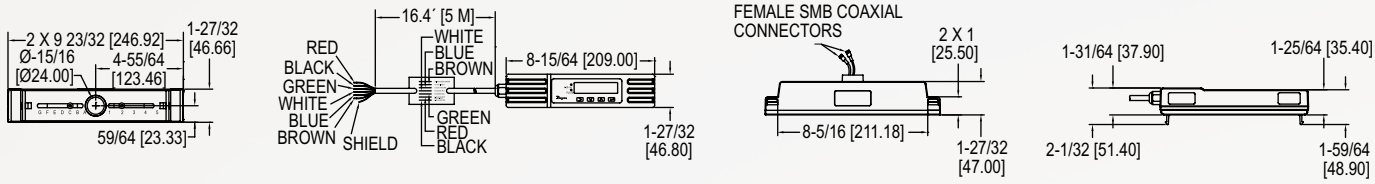
SPECIFICATIONS

Service	Clean water with <3% by volume of particulate content.
Range	0.33 to 32.8 ft/s (0.1 to 10 m/s).
Display	Backlit: 3.27″ H x 0.74″ W (83.1 mm x 18.8 mm), 2 line x 16 characters.
Accuracy	±3% of flow reading for >0.98 ft/s (>0.3 m/s).
Power Requirements	12-24 VDC/VAC.
Power Consumption	7 W max.
Temperature Limits	Process: 32 to 185°F (0 to 85°C); Ambient: 32 to 122°F (0 to 50°C).
Outputs	Analog: 1 opto-isolated: 4-20 mA; Error current: 3.5 mA; Load resistance: 620 Ω max; Pulse: 1 opto-isolated MOSFET relay, 500 mA max, 166 pps max, 200 Hz max.
Enclosure Rating	IP54.
Enclosure Material	Plastic polycarbonate.
Repeatability	±0.15% of measured value.
Electrical Connections	16.4´ (5 m) cable.
Response Time	<1 s.
Weight	2.9 lb (1.315 kg).
Agency Approvals	CE.

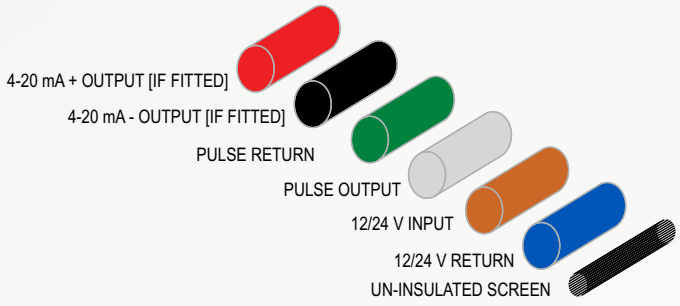
ADDITIONAL SPECIFICATIONS

Applicable Pipe Material	Steel, copper, or plastic
Pipe Outside Diameter	3/4 to 7″ (25 to 180 mm)*.
Applicable Pipe Lining	None.
Pipe Wall Thickness	0.02 to 0.39″ (0.5 to 10 mm).
*Pipe size is dependent on pipe material and internal diameter.	

DIMENSIONS



WIRING DIAGRAM



6-core main interface cable

HOW TO ORDER

Use the **bold** characters from the chart below to construct a product code.

UFM2 **-1** **-4** **-NISTCAL-FU**

SERIES
UFM2: Compact ultrasonic flowmeter

OUTPUT TYPE
-1: Pulse and 4-20 mA outputs

OPTIONS
-NISTCAL-FU: NIST traceable calibration certificate for ultrasonic flowmeters. **Note:** Equal certs will be charged per units purchased.

PIPE SIZE
-4: 3/4 to 4″ (25 to 115 mm)
-6: 5 to 7″ (125 to 180 mm)

ORDER ONLINE TODAY!

dwyer-inst.com/Product/SeriesUFM2

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DS-UFM2