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.

**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 sensor, cables and mounting accessories
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- Compact and lightweight design, featuring an easily installed, all in one clamp-on sensor, cables and mounting accessories
- 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
- Monitoring corrosion in closed vessels
- Pipe thickness measurement
- HVAC
- Plumbing

**KIT INCLUDES**
- Converter with adjustable guiderail
- Set of pipe clamps (model dependent)
- Set of small pipe adapter circle clamps
- Set of small pipe adapter V clamps
- Ultrasonic coupling grease

**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 to 187 mm).
- Line: 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 180°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, 50°C.
- Enclosure Rating: IP54.

*Pipe size is dependent on pipe material and internal diameter.*

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**MODEL CHART**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>UFM2-14</td>
<td>Compact ultrasonic flowmeter, pulse and 4-20 mA outputs, 3/4 to 4&quot; (25 to 115 mm) pipe</td>
</tr>
<tr>
<td>UFM2-16</td>
<td>Compact ultrasonic flowmeter, pulse and 4-20 mA outputs, 5 to 7&quot; (125 to 180 mm) pipe</td>
</tr>
</tbody>
</table>

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**OPTIONS**

<table>
<thead>
<tr>
<th>Use order code:</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>NISTCAL-FU</td>
<td>NIST traceable calibration certificate</td>
</tr>
</tbody>
</table>

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**MODEL UTG**

### ULTRASONIC THICKNESS GAGE

Ideal For Use with Ultrasonic Flow Transmitters, Adjustable Sound Velocity

The Model UTG Ultrasonic Thickness Gage measures the thickness of a variety of materials. The UTG works on a variety of parallel surface material ranging from 0.05 to 7.9” (1.2 to 200 mm).

**FEATURES/BENEFITS**
- Non-invasive thickness measurement
- Reads in inches or millimeters and features an adjustable sound velocity to allow for an array of materials to be measured
- Allows the user to find the wall thickness of the pipe when programming an ultrasonic transmitter without cutting or removing a section of the pipe to measure it
- Ideal for monitoring corrosion in closed vessels such as boilers and chemical tanks and with any ultrasonic flow transmitter

**APPLICATIONS**
- Pipe thickness measurement
- Finding wall thickness
- Monitoring corrosion in closed vessels
- Industrial applications
- Automotive
- HVAC
- Plumbing

**SPECIFICATIONS**
- Service: Steel, cast iron, aluminum, red copper, brass, zinc, quartz glass, polyethylene, PVC, gray cast iron, nodular cast iron, other. Selectable option for special materials with known sound propagation rate.*
- Range: 0.047 to 7.874” (1.2 to 200 mm).
- Accuracy: ±0.5%.
- Resolution: 0.001” / 0.1 mm.
- Sound Velocity: 1118 to 20132 mph (500 to 9000 m/s).
- Temperature Limits: 32 to 122°F (0 to 50°C).
- Humidity Limit: < 80%.
- Display: 4 digits, 0.394” (10 mm) LCD.
- Power Requirement: (4) 1.5 V AAA alkaline batteries, not included, user replaceable.
- Weight: 5.76 oz (164 g).

*Material must be uniform with minimal coating/finish.

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**MODEL CHART**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>UTG</td>
<td>Ultrasonic thickness gage</td>
</tr>
</tbody>
</table>

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USA: California Proposition 65

\[ WARNING: \] Cancer and Reproductive Harm - www.P65Warnings.ca.gov