The Series MFS & MFS2 Magnetic Inductive Flow Sensors are compact, 316 SS body, in line flowmeters with pulse and optional analog 4-20 mA output. It is available in a variety of flow ranges from 0.25 to 52.8 GPM (1 to 200 LPM) and process connection sizes of 1/2” and 1” NPT.

**APPLICATIONS**
- Contaminated liquid flow monitoring
- Flow of conductive liquids
- Water & wastewater treatment
- Industrial systems
- Irrigation applications

**FEATURES/BENEFITS**
- Long life cycle with no moving parts to wear or break
- Can be applied in applications dealing with contaminated media with no mechanical component in the flow
- Obstruction free pipe cross-section yields low pressure drop
- Unaffected by change in temperature, density, viscosity or concentration

**SPECIFICATIONS**
- Service: Compatible, non-coating, conductive liquids.
- Range: See model chart.
- Accuracy: MFS: ±2% of reading; MFS2: ±1% or reading.
- Repeatability: 1%.
- Temperature Limits: MFS: Process: 32 to 194°F (0 to 90°C); Ambient: 41 to 158°F (5 to 70°C); MFS2: Process: 14 to 140°F (-10 to 60°C); Ambient: 41 to 158°F (-10 to 60°C).
- Pressure Limits: MFS: 232 psi (16 bar); MFS2: 145 psi (10 bar).
- Flow Indication: LED green, flow proportional blinking.
- Process Connection: See model chart.
- Electrical Connection: Plug connector M12x1.
- Weight: MFS-1X: 1.5 lb (0.68 kg); MFS-2X: 1.7 lb (0.77 kg); MFS-3X: 1.9 lb (0.87 kg); MFS2-1, -2, -3, -4, -5: 8 oz (226.8 g); MFS2-6: 1 lb (0.45 kg).

**MODEL CHART**

<table>
<thead>
<tr>
<th>Model</th>
<th>Range GPM (LPM)</th>
<th>Minimum Output Signal GPM (LPM)</th>
<th>Process Connection</th>
<th>Output</th>
</tr>
</thead>
<tbody>
<tr>
<td>MFS1-1</td>
<td>0.25 to 5.5 (1 to 20)</td>
<td>0.13 (0.5)</td>
<td>1/2&quot; NPT</td>
<td>Frequency</td>
</tr>
<tr>
<td>MFS2-1</td>
<td>0.25 to 10.5 (2 to 40)</td>
<td>0.25 (1)</td>
<td>1/2&quot; NPT</td>
<td>Frequency</td>
</tr>
<tr>
<td>MFS-31</td>
<td>2.5 to 52.8 (10 to 200)</td>
<td>1.3 (5)</td>
<td>1&quot; NPT</td>
<td>Frequency</td>
</tr>
<tr>
<td>MFS-12</td>
<td>0.25 to 5.3 (1 to 20)</td>
<td>0.13 (0.5)</td>
<td>1/2&quot; NPT</td>
<td>Frequency &amp; analog</td>
</tr>
</tbody>
</table>

**ACCESSORIES**

- MFS-C3: 4 pin cable socket M12x1 connect, 9.8 ft (3 m)
- MFS-C5: 4 pin cable socket M12x1 connect, 16.4 ft (5 m)
- MFS-C10: 4 pin cable socket M12x1 connect, 32.8 ft (10 m)