**RATE/TOTAL INDICATOR**

Loop Powered, Converts Pulse Frequency to 4 to 20 mA, High/Low Flow Alarm

The SERIES RTI Rate & Total Indicator Displays takes the pulse output signal from compatible flow meters, displays flow rate and total, and provides output signals. It is compatible with the Series EFS2, IIFS, PDWS, PFT and FLMG.

**FEATURES/BENEFITS**
- Can be mounted on either a wall or meter and has an additional panel mount option for added flexibility
- Offers accessory mounting kits making it easy to change the mounting orientation
- High environmental protection with semi-flexible urethane potted electrical components
- Powered by an external DC voltage provides a pulse, 4 to 20 mA and dual-relay output.
- Tamper-evident, non-resettable total, dual relay output options available

**APPLICATIONS**
- Water treatment
- Water utilities
- Industrial chemical handling

**MODEL CHART**

<table>
<thead>
<tr>
<th>Stocked Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>RTI-W</td>
<td>Wall-mounted, rate/total indicator, loop powered</td>
</tr>
</tbody>
</table>

**ACCESSORIES**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MMK</td>
<td>Meter mounting kit</td>
</tr>
<tr>
<td>WMK</td>
<td>Wall mounting kit</td>
</tr>
</tbody>
</table>

**SPECIFICATIONS**

- **Input:** 5 V pulse or contact closure; 1.0 to 1500 pulses/s.
- **Temperature Limits:** -22 to 148°F (-30 to 65°C).
- **Output:** Current sinking square wave pulse: Scaled pulse output (0.1 s duration 1.1 Hz max. or high alarm output or low alarm output), sensor pass-through pulse output (un-scaled); Pulse output range: 0.1 to 999999.9 units/pulse; Analog: 4 to 20 mA, 24 to 30 VDC.
- **Power Requirements:** 12 to 30 VDC @ 4 mA (4 to 20 mA when loop-powered).

**MODELS**

- Example RTI-M-DPS RTI-M-DPS

**APPLICATIONS**

- Industrial chemical handling
- Water treatment
- Water utilities
- Tamper-evident, non-resettable total, dual relay output options available

**BLIND ANALOG TRANSMITTER**

Converts Pulse Frequency to 4 to 20 mA, Loop Powered

The SERIES BAT Analog Transmitters is a 4 to 20 mA transmitter for use with the Series EFS2, IIFS, PDWS, PFT and FLMG.

**FEATURES/BENEFITS**
- Easy to set up and can be either wall or meter mounted
- Takes a pulse frequency output from the compatible flow meters and converts it into a continuous 4 to 20 mA analog output signal
- The frequency for the flowmeter output signal can be adjusted using four rotary switches on the back of the transmitter and a microcontroller automatically scales all other values accordingly
- The microcontroller averages inputs for more stable reading outputs and is adjustable from 2 to 16 seconds
- Loop powered, 2 wire connection
- High environmental protection with semi-flexible urethane potted electrical components

**APPLICATIONS**

- Telemetry applications
- Data logging
- Distributed control systems
- Chart recording

**ACCESSORIES**

<table>
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</table>

**SPECIFICATIONS**

- **Input:** Open-collector solid state sensor. Averaging: 2, 4, 8, 16 s (DIP switch selectable); Pulse Frequency: Min. 10 Hz @ 20 mA; Max. 999.9 Hz (rotary DIP switch selectable).
- **Temperature Limits:** 32 to 130°F (0 to 55°C).
- **Output:** 4 to 20 mA.
- **Power Requirements:** 24 to 36 VDC @ 4 to 20 mA when loop powered.
- **Response Time:** 2 to 60 s; 90% FS (depends on input averaging).
- **Loop Resistance:** 0 to 1300 Ω max. e
- **Enclosure Material:** Die-cast powder-coated aluminum.
- **Enclosure Rating:** NEMA 4X (IP66).
- **Electrical Connections:** Terminal block.
- **Mounting:** See model chart.
- **Weight:** 3 lb (1361 g).

**MODELS**

<table>
<thead>
<tr>
<th>Model</th>
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</tr>
</thead>
<tbody>
<tr>
<td>BAT-M</td>
<td>Blind analog transmitter, meter-mounted*</td>
</tr>
<tr>
<td>BAT-W</td>
<td>Blind analog transmitter, wall-mounted</td>
</tr>
</tbody>
</table>

*Compatible Series: EFS2, IIFS, PDWS, PFT, TBS and FLMG.

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