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, IEFS, 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 utilities
- Water treatment

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: 4 to 20 mA, 24 to 30 VDC.
- Power Requirements: 12 to 30 VDC @ 4 mA (4 to 20 mA when loop-powered).

MODEL CHART

<table>
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<tr>
<th>Example</th>
<th>RTI-M-(M)</th>
<th>RTI-M-(DPS)</th>
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<tr>
<td>Series</td>
<td>RTI</td>
<td>Rate/total indicator, loop-powered</td>
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<tr>
<td>Mounting</td>
<td>(M)W(P)</td>
<td>Meter-mounted* Wall-mounted Panel-mounted</td>
</tr>
<tr>
<td>Options</td>
<td>DPS TEV Tamper-evident</td>
<td>Built-in 115 VAC/12-24 dual power supply (RTI-W only)</td>
</tr>
<tr>
<td></td>
<td>NRT</td>
<td>Non-resettable total</td>
</tr>
<tr>
<td></td>
<td>VPS Dual relay output</td>
<td>Built-in 115 VAC power supply (RTI-W only)</td>
</tr>
<tr>
<td></td>
<td>ORO HDC Hinged display cover (not with DPS or VPS)</td>
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The RTI is a rate/total indicator that uses the pulse output from the following Dwyer flow meters series* and displays flow rate and total.

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

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

MODEL CHART

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

*Compatible Series: EFS2, IEFS, PDWS, TBS and FLMG.

Loops Resistance: See Bulletin F-BAT