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 and provides an additional panel mount option for added flexibility.
• High environmental protection with semi-flexible urethane potted electrical components.
• Power output 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

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 6.1 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.
Display: Rate: 6 digits, 1/2" LCD. Total: 8 digits, 5/16" character height.
K-Factor Range: 0.001 to 999999.99.
Flow Alarm Output Range: 0.01 to 999999.99.
Enclosure Material Housing: Die-cast powder-coated aluminum; Faceplate/HP925X Lexan.
Enclosure Rating: NEMA 4X (IP66).
Electrical Connection: Terminal blocks, #22 AWG, 3 conductor 15' (5.5 m) cable (200°F max.).
Mounting: See model chart. Weight: 3 lb (1361 g).

MODEL CHART
Example RTI-M-DPS RTI-M-DPS
Series RTI Rate/total indicator, loop-powered
Mounting M Meter-mounted* Wall-mounted
W Panel-mounted
P
Options DPS Built-in 115 VAC/12-24 dual power supply (RTI-W only)
TEV Tamper-evident
NRT Non-resettable total
VPS Built-in 115 VAC power supply (RTI-W only)
DRO Dual relay output
HDC Hinged display cover (not with DPS or VPS)

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
• Distributed control systems
• Chart recording

ACCESSORIES
Model MMK WMK
Description Meter mounting kit Wall mounting kit

SPECIFICATIONS
Input: Open-collector solid state sensor. Averaging: 2, 4, 8, 16 s (DIP switch selectable); Pulse Frequency: 0 to 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).
Enclosure Rating: NEMA 4X (IP66).
Enclosure Material: Die-cast powder-coated aluminum.

MODEL CHART
Example BAT-M BAT-W
Model BAT-M BAT-W
Description Blind analog transmitter, meter-mounted* Blind analog transmitter, wall-mounted*

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

Loop Resistance: See Bulletin F-BAT