The Series RT12 Rate/Total Indicator is an indicator/transmitter that takes the pulse output signal from compatible flowmeters, displays flow rate and total, and provides output signals. It is compatible with the Series EFS2, IEFS, PDWS, and FLMG.

**FEATURES/BENEFITS**
- Can be mounted on a wall or mounted on the flowmeter for added flexibility
- Accessory mounting kits make it easy to change the mounting orientation
- High environmental protection with semi-flexible urethane potted electrical components
- Provides a pulse, 4 to 20 mA and dual-relay output

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

**SPECIFICATIONS**
- Input: 5 V pulse or contact closure; 1 to 15 pulses/s.
- Temperature Limits: Process: -32 to 131°F (0 to 55°C); Storage: -40 to 158°F (-40 to 75°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: 7 to 30 VDC @ 4 mA (4 to 20 mA when loop-powered).
- Display: Rate: 8 digits, 1/2” H LCD; Total: 8 digits, 5/16” character height.
- K-Factor Range: 0.001 to 999999.99.
- Flow Alarm Output Range: 0.1 to 99999.99.
- Enclosure Material Housing: Die-cast powder-coated aluminum; Faceplate #HP92W Lexan.
- Electrical Connection: Terminal blocks, #22 AWG, 3 conductor 18’ (5.5 m) cable (2000’ max.).
- Mounting: See model chart.
- Weight: 3 lb (1361 g).

**SERIES BAT**

**BLIND ANALOG TRANSMITTERS**
Converts Pulse Frequency to 4 to 20 mA, Loop Powered

The Series BAT Blind Analog Transmitters are 4 to 20 mA transmitters 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 signal output
- 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
- Chart recording

**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.
- Electrical Connections: Terminal block.
- Mounting: See model chart.
- Weight: 3 lb (1361 g).