

## SERIES BAT

# BLIND ANALOG TRANSMITTERS

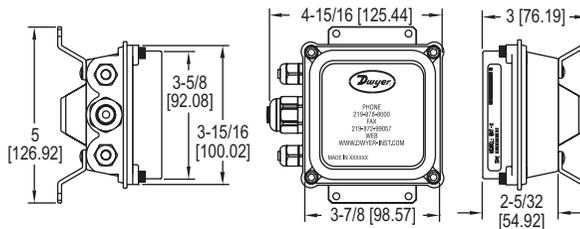
## Converts Pulse Frequency to 4 to 20 mA, Loop Powered



**BAT-M** shown installed on Series EFS2 meter. Meter sold separately.



**BAT-W**



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 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

### MODEL CHART

Model	Description
<b>BAT-M</b>	Blind analog transmitter, meter-mounted*
<b>BAT-W</b>	Blind analog transmitter, wall-mounted

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

### 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. ●

**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).

### ACCESSORIES

Model	Description
<b>MMK</b>	Meter mounting kit
<b>WMK</b>	Wall mounting kit

● Loop Resistance: See Bulletin F-BAT