The Series BAT Blind Analog Transmitter is a non-indicating, 4 to 20 mA transmitter for use with the Series EFS2, IEFS, PDWS, TBS and FLMG. The BAT is easy to set up and can be either wall or meter mounted. It 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 is also able to average inputs for more stable reading outputs. The rate for averaging is adjustable and ranges from 2 to 16 seconds. Power for the BAT is supplied by a current loop, making only 2 wires necessary. This unit features high environmental protection with semi-flexible urethane potted electrical components.

**APPLICATIONS**

- Telemetry
- Data Logging
- Distributed Control Systems
- Programmable Controller
- 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. (see service manual).
- **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).

**Series FPCA Flow Power/Controls Accessories**

**Power Supplies & Mounting Options for Series BAT, RTI, PWD, IPFS, TBS, FLMG, PDWS, EFS2, IEFS, IPFS**

The Series FPCA Flow Power Control Accessories include mounting kits, power converters, and power supplies for compatible flow meters. These accessories simplify installation by offering meter and wall mounting options. Furthermore, power input and supply are no longer an issue with the power converter and dual power supply. The WMK can be used to mount Series BAT, RTI, or PWD on Series PDWS. The MMK can be used to mount either Series BAT or RTI to a wall with the use of Series EFS2, IEFS, PDWS, IPFS, TBS, or FLMG. Model PWC1 can be used with Series PWD, EFS2, or IEFS to convert 115 VAC to 25 VDC. Model PWC2 can be used with Series EFS2, IEFS, PDWS, IPFS, and TBS to convert 115 VAC to 12/24 VDC and provide dual power output for use with Series BAT and RTI.

**SPECIFICATIONS**

- **WMK/MMK**
  - Temperature Limits: -22 to 148°F (-30 to 65°C).
  - Weight:
    - WMK: 1.25 lb (567 g);
    - MMK: 1.75 lb (794 g).

- **PWC1/PWC2**
  - Temperature Limits: 32 to 140°F (0 to 60°C).
  - Output: 24 VDC @ 500 mA.
  - Power Requirements: 120 VAC, 60 Hz, 19 W.
  - Electrical Connection: 22-18 AWG screw terminal.
  - Weight: Contact factory.