IMAC Systems, Inc.
International Measurement and Control Systems

Pulsimatic Instructions & Specifications:

The Pulsimatic Transmitter's aluminum casting has been drilled in a 8-hole universal mounting pattern to accommodate mounting with commonly used commercial and industrial gas meters (these meters include turbine, rotary and diaphragm gas meters) and correcting instruments.

**Before installing the Pulsimatic on a gas meter make sure to run shielded cable through the connection on the side of the Pulsimatic to the terminal strip underneath the Pulsimatic **

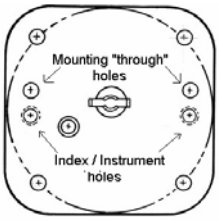
Mounting Instructions:

1.) Remove the existing meter index or instrument from meter.
2.) Place the Pulsimatic and gasket over the meter mounting holes, the 'Pulsimatic front' sticker must be aimed in the same direction as the front of the meter.
3.) Reinstall the original index or instrument on top of the Pulsimatic

Model Characteristics:

1/2, 1, 2, 5, 10, 20, 50 Pulse Per Revolution	100 Pulse Per Revolution	500 / 1000 Pulse Per Revolution
Dry Contact Form C Reed Switch Switch Electrical Characteristics: Maximum Switching Voltage: 175 dc Minimum Breakdown Voltage: 200 dc Maximum Switching Current: 250 ma Initial Contact Resistance 200 ohms Max. Switching Time: 0.7 milliseconds Operating Temperature -40º to 105º C Anticipated Minimum Life: 50,000,000 cycles @ 5vdc, 10 ma	Optical Encoder Power Supply = 6-24 VDC (output square wave with same amplitude as power supply) Wiring Diagram: 6-24 VDC — Red, Green, Black — Output Square Wave	High Output Encoder Power Supply = 6-24 VDC Signal processed and amplified (output square wave with the same amplitude as power supply or additionally a selectable 5V regulated output).

Special Meter Considerations:

American Meter	Sensus / Invensys / Rockwell / Equimeter	Actaris / Sprague / Schlumberger
--Mounting studs are unique 18-18 thread --AL800, AL1000, AL1400 and B-Series Meters require extended shaft and Base Plate. Extended shaft must be specified when ordering and base plate must be ordered separately. Base plate will be installed between meter and Pulsimatic. --When installing on GT, GTX, or GTS Turbine Meters a seal plate is recommended to eliminate overhang	--Only 2 standard mounting studs are required for installation 	--DMK-217 Mounting Kit required for 675a, 800a and 1000a Meters

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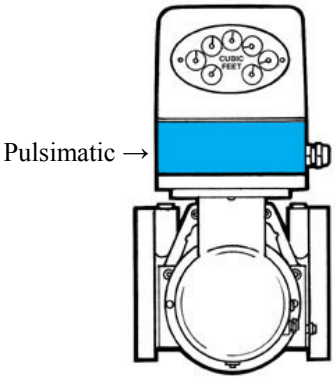
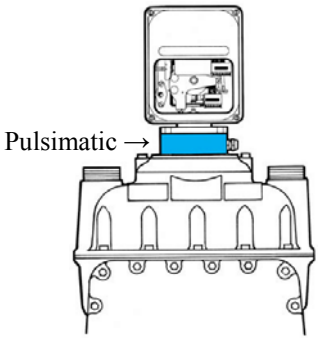
Description:

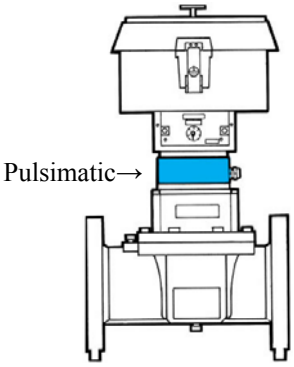
The Pulsimatic Transmitter is an economical way to transmit uncorrected rate and volume output data from gas meters to remote totalizing and recording equipment. This includes AMR systems, controllers, logic computers, RTU, and SCADA equipment. For domestic, residential and laboratory meters, please see our line of Domestic Meter Pulsers (DMP).



Mounted between Rotary meter and index



Mounted between Diaphragm Meter and Instrument



Mounted between Turbine meter and Instrument

Optional Equipment (see bulletin 60620.1 for more information):

- Mounting Kit *(brass studs – special threads for American Meter, standard length 3½", 1000ppr requires 4")*
- Weather Kit Assembly *(for use on meters without covering index or instrument)*
- Electrical Output Connections
- Shielded Cable
- Battery Powered Remote Totalizers (with divider)
- Remote Totalizer with Flow Rate and volume Indication and with Analog Output (4-20ma)
- Seal Plate *(for American Meter Turbines)*
- Base Plate *(for American AL800, AL1000, AL1400 and B-Series Meters)*
- Intrinsically safe barrier *(for 100ppr model)*
- Switch Tester
- Remote Totalizer with Fixed Factor Correction

UL Approval #: E186234, CSA Approval #: LR113768-1

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