

**Pribusin Inc.**

Manufacturers of Process  
Controls and Instrumentation

**Model: TWI-MVX**

**Two Wire Isolated Millivolt Transmitter**



### Standard features:

- High Input to Output Isolation (800 VAC Test)
- Small Size - Fits Standard Explosion Proof Housing
- Industry Standard 4-20 mA Output
- Standard Millivolt Ranges
- Special Ranges Available
- Wide Operating Range (12 to 60 VDC)
- High Noise Rejection
- CSA and NRTL Approved (LR 51078)

### Function:

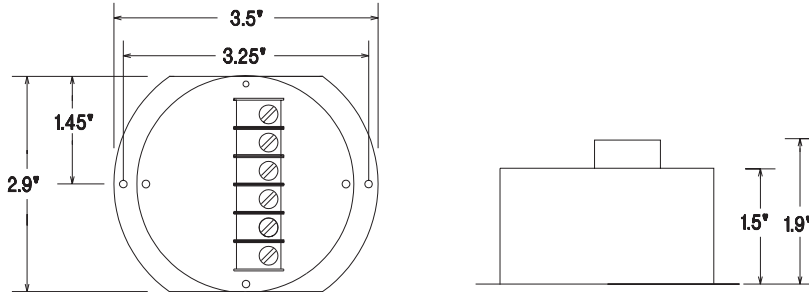
The TWI-MVX is an isolated two wire millivolt transmitter that comes in a small, explosion proof housing compatible package. It has easily accessible screw terminals and is built in a rugged housing. The many different millivolt ranges allow it to be used in a great variety of applications such as current measurement through a shunt, PLC front end conditioning, etc.

### Specifications:

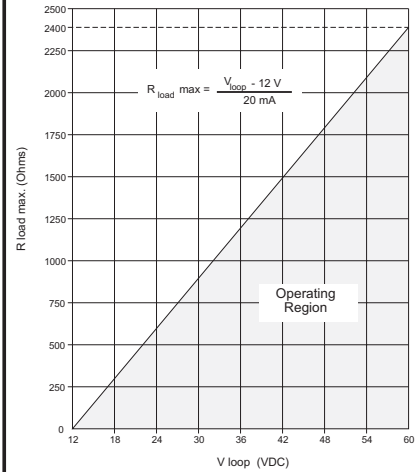
- Isolation: 800 VAC (Test)
- Operating Power: 12 to 60 VDC
- Accuracy/Linearity:  $\pm 0.2\%$  max.,  $\pm 0.1\%$  typ.  
(Linear with Temperature for most Ranges)
- Response Time: 100 msec to 63% of final value  
400 msec to 99% of final value
- Temperature Effects:  $\pm 0.025\%$  per Deg.C.
- Span Drift:  $\pm 0.025\%$  per Deg.C.
- Zero Drift: 1  $\mu$ V per mV offset per Deg.C. OR  
1  $\mu$ V per Deg.C., whichever is greater
- Drift at 25 Deg. C.: 24 Hours:  $\pm 0.1\%$   
30 Days:  $\pm 0.2\%$
- Operating Temperature: -20 Deg. C. to + 50 Deg. C.
- Input Impedance: 1 Meg Ohm min.

# TWI-MVX

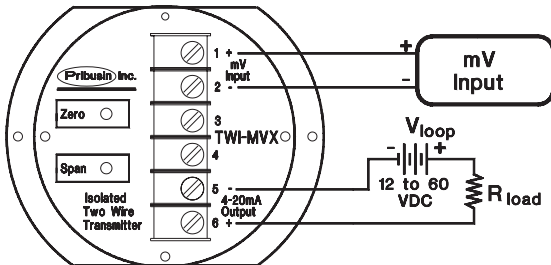
## Dimensions:



## Loop Characteristics:



## Connection:



## Model Designation:

TWI-MVX

Input

- 1: 0-5 mV
- 2: 0-10 mV
- 3: 0-20 mV
- 4: 0-50 mV
- 5: 0-100mV
- 7: Special Input

Example: Millivolt conditioner with 0-50mV Input & 4-20mA Output is designated by: TWI-MV4

Manufactured By:

**Pribusin Inc.**

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