

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:

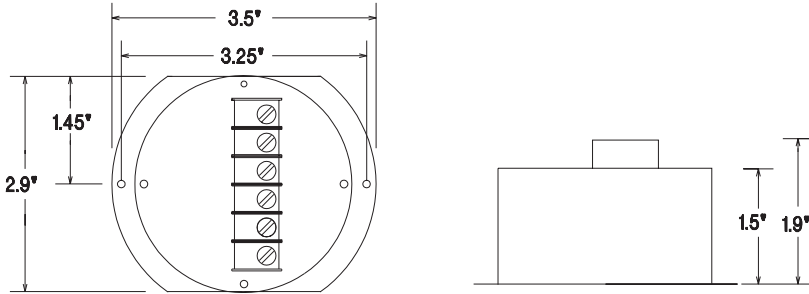
The TWI-MVX is an isolated two wire millivolt transmitter that comes in a small, explosion proof housing compatible package. It has easily accessible screw terminals and is built in a rugged housing. The many different millivolt ranges allow it to be used in a great variety of applications such as current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

Specifications:

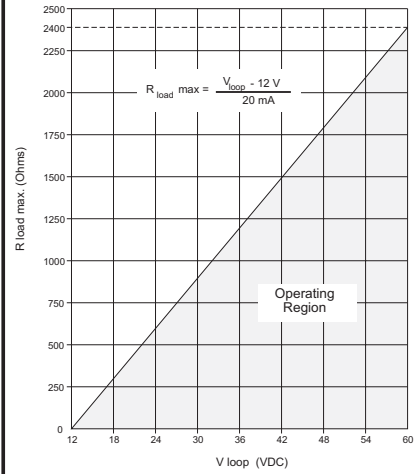
- Isolation: 800 VAC (Test)
- Operating Power: 12 to 60 VDC
- Accuracy/Linearity: $\pm 0.2\%$ max., $\pm 0.1\%$ typ.
(Linear with Temperature for most Ranges)
- Response Time: 100 msec to 63% of final value
400 msec to 99% of final value
- Temperature Effects: $\pm 0.025\%$ per Deg.C.
- Span Drift: $\pm 0.025\%$ per Deg.C.
- Zero Drift: 1 μ V per mV offset per Deg.C. OR
1 μ 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

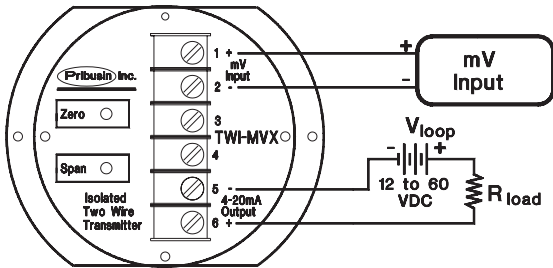
Dimensions:



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:

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