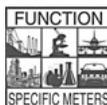




DVM-Series



DVM-5

Multi-Range Mini Meter 3 1/2 Digit 0.276" LED in a Mini Case

Low cost, adjustable brightness, LED digital Mini-Meter.

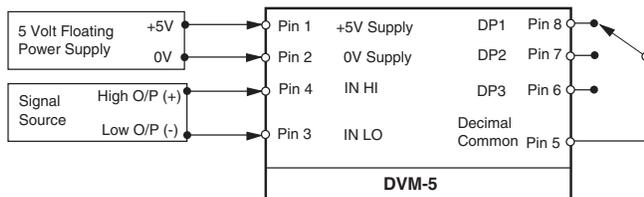
General Features

The Texmate DVM-5 Mini-Meter™ is one of the world's smallest autozeroed, digital panel meters. It is offered in ranges of 200mV, 2V, 20V, and 200V full scale. The DVM-5 is designed for OEM's in the medical and scientific instrument field where small size and exceptional performance are important. This meter, although small, is very advanced and uses all surface mount technology. The brightness of the LEDs is adjustable.

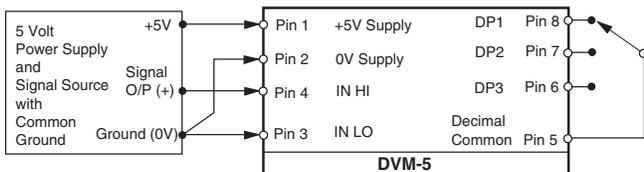
The DVM-5/4-20 is a version of the DVM-5 that is designed specifically for 4-20mA inputs. It comes standard with a scale of 0 to 1000, but other ranges are available on request. A zero pot is provided and the decimals are user-selectable. The DVM-5/4-20 is targeted for the process industry where space limitation is often a critical factor.

Typical Application Connections

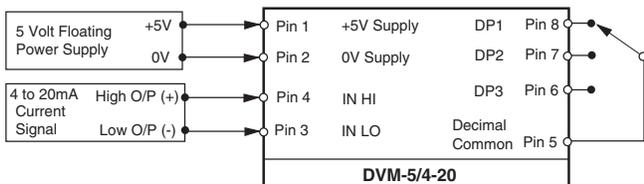
Connections to the DVM-5 for use with a floating 5 volt power supply



Connections to the DVM-5 when the power supply and the source of the signal to be measured share a common ground (or low) terminal. The power and signal "low" return lines must be separately connected to the source so that supply current does not influence the measurement.



Connections to the DVM-5/4-20. This instrument MUST only be used with a floating power supply.



Compatibility

The DVM-Series have a matching Mini Case style that is compatible with all DVM-Series meters. The DVM-Series are designed for use when small spaces are available.

**Mini
Case**

Specifications

- Zero:**Autozeroed on DVM-5
Adjustable on DVM-5/4-20
- Brightness:**The brightness adjustment is on the upper side and is marked "H". Use only insulated screwdriver for adjustment.
- Span:**Right side meter adjustment.
- Connection:**Meter is supplied with matching 9-pin male connector. Leads exit downward.
- Warm Up Time:**2 minutes
- Display:**0.276" (7mm), Red or Green, 0-1999 counts
- Decimal Point:**User selectable
- Power Supply:**Regulated 5V ±5% DC
- Operating Temperature:** ...-10 to 50 °C
- Storage Temperature:** ...-20 to 70 °C
- Relative Humidity:**95% (non-condensing)
- Case Dimensions:**1.38"Wx0.5"Hx1.77"D (35x12.7x45mm)
Front Bezel 1.46"x0.59" (37x15mm)
Panel cutout 1.38"x0.5" (35x12.7mm)
- Weight:**0.64 oz (19gms)

Model DVM-5/4-20 (4-20mA input range)

The standard DVM-5/4-20 is scaled for 4 to 20mA input to read 0 to 1000. Other ranges are available on request. The following ranges are available by ordering part number DVM-FSCL for special scaling from the factory.

0-200	0-500	0-900	0-1000
0-250	0-600	0-1250	0-1500
0-300	0-700	0-1750	0-1999
0-360	0-800		

Maximum Loop Drop:260mV @ 20mA

Maximum Loop Res.: ...13Ω

Applications for 4-20mA input include pressure, temperature, level, flow and other process measurements.

OEM Applications include CATV systems, medical and scientific instruments.