



DVM-5/CL

Loop Powered Mini Meter 3 1/2 Digit 0.276" LED in a Mini Case

Small, lightweight meter for use when space and exceptional performance are crucial.

General Features

The Texmate DVM-5/CL is a miniature loop powered LED digital panel meter. The small size is an advantage especially in the process industry where space is often critical. The DVM-5/CL is designed also 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.

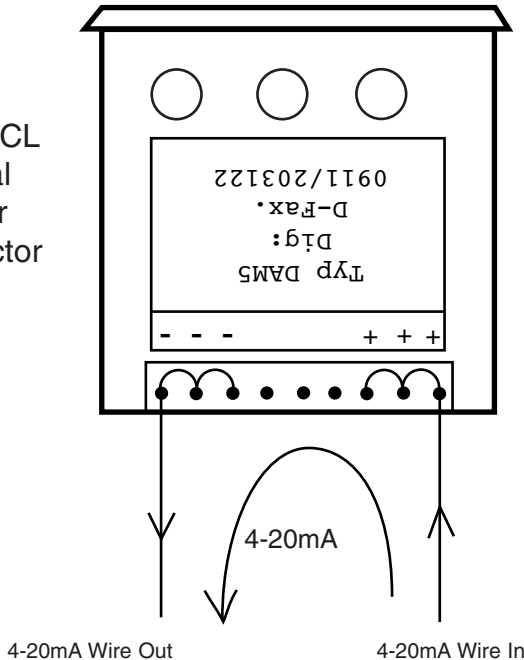
The DVM-5/CL comes standard 0 to 1000 full scale. It can be factory scaled to read output in any engineering unit from 0 to 1999. No decimal point is set on the standard meter, but one may be specified when ordering.

The DVM-5/CL operates over the range of -30 to +85°C (-22 to +185°F). Dimensions are 1.378"W x 0.5"H x 1.77"D and the front bezel is 1.5"Wx0.6"H. Red/orange 7mm LEDs are clearly visible even at a distance. The unit weighs 0.64 oz.

Typical Application Connections

The DVM-5/CL is internally connected and factory calibrated for current loop measurement. To connect the meter to the user's system, two wires are required. Connect the 4-20mA In wire on the first pin marked "+", and connect the 4-20mA Out wire on the last pin marked "-". (The "+" and "-" signs are easier to see if the connector is removed.)

DVM-5/CL
Digital
Meter
(connector
side)



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.



Specifications

- Loop Drop:** Approximately 8V
- 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 Orange LED
- Decimal Point:**..... No decimal point set on std. meter. If no decimal point is required, specify at time of order.
- Power Supply:**..... No separate power supply is required. The meter is powered from the 4-20mA current loop.
- 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)

Special Scaling

The following ranges are available by ordering part number DVM-FSCL for special scaling from the factory. Other ranges on request.

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

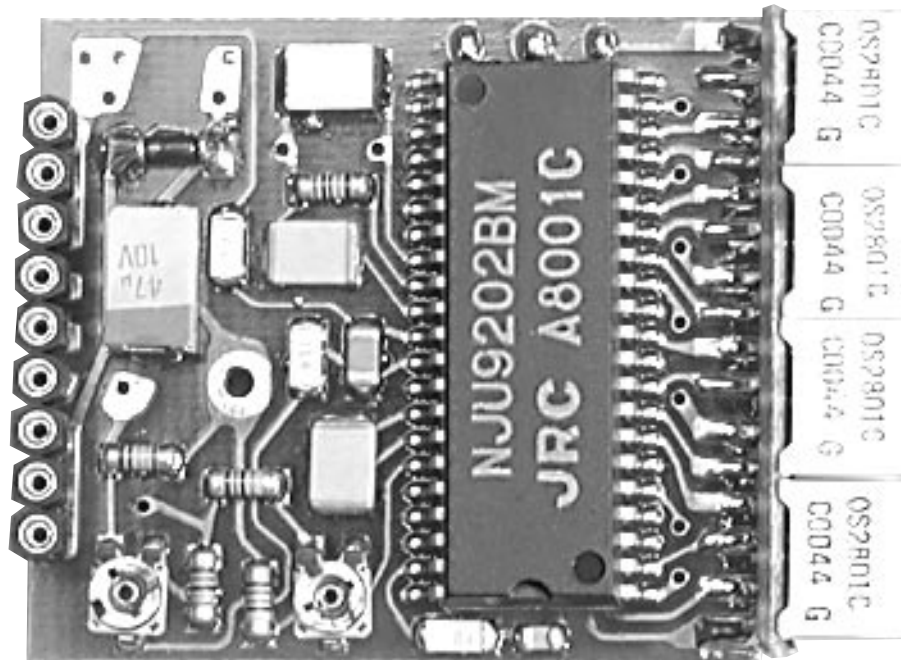
Applications for 4-20mA input include pressure, temperature, level, flow and other process measurements. OEM Applications include CATV systems, medical and scientific instruments, SCADA and wastewater systems.

DVM Series, mini size and mighty performance

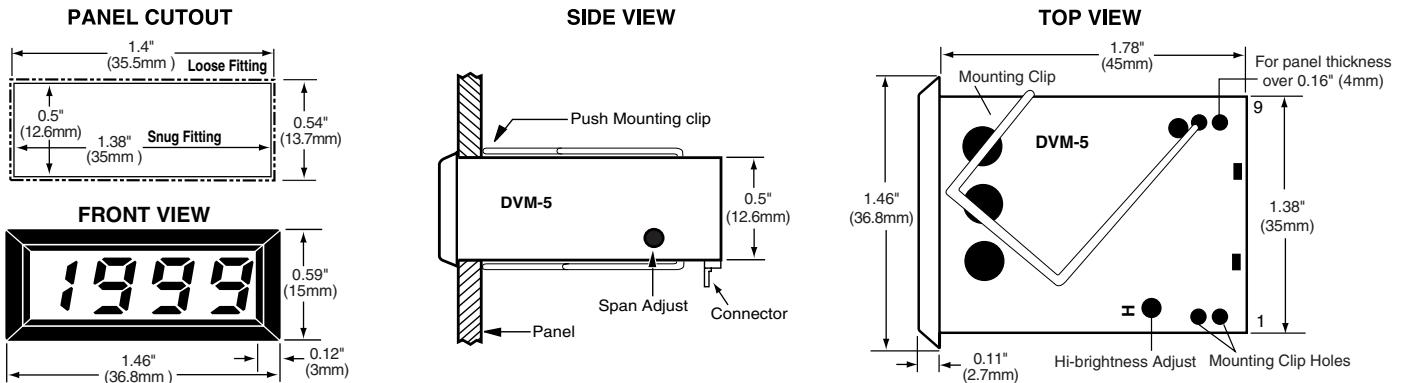
DVM-5 3.5 digit Red LED, 5VDC Power, 2/20/200 VDC
 DVM-5/4-20 3.5 digit Red LED, 5VDC Power, 4-20 mA input
 DVM-5/CL 3.5 digit Red LED, Loop Powered, 4-20 mA input (1000)
 DVM-5/G 3.5 digit Green LED, 5VDC Power, 2/20/200 VDC

DVM-5/MV 3.5 digit Red LED, 5VDC Power, 200 mV DC input
 DVM-5/RTD1 3.5 digit Red LED, 5VDC Power, RTD input, 0.1 °C
 DVM-5/RTD2 3.5 digit Red LED, 5VDC Power, RTD input, 1 °C

Component Layout



DVM Case Dimensions and Panel Cutouts



Ordering Information

Standard Options for this Model Number

Part Number	Description
-------------	-------------

► BASIC MODEL NUMBER

DVM-5/CL 3.5 digit Red LED, Loop Powered, 4-20mA input (1000)

► SPECIAL OPTIONS (Specify Inputs or Outputs & Req. Reading)

DVM-FSCL Special Range & Scale change DVM-5/CL

Many other options and accessories are available. See full price list for more details.
Prices subject to change without notice.

WARRANTY

Texmate warrants that its products are free from defects in material and workmanship under normal use and service for a period of one year from date of shipment. Texmate's obligations under this warranty are limited to replacement or repair, at its option, at its factory, of any of the products which shall, within the applicable period after shipment, be returned to Texmate's facility, transportation charges pre-paid, and which are, after examination, disclosed to the satisfaction of Texmate to be thus defective. The warranty shall not apply to any equipment which shall have been repaired or altered, except by Texmate, or which shall have been subjected to misuse, negligence, or accident. In no case shall Texmate's liability exceed the original purchase price. The aforementioned provisions do not extend the original warranty period of any product which has been either repaired or replaced by Texmate.

USER'S RESPONSIBILITY

We are pleased to offer suggestions on the use of our various products either by way of printed matter or through direct contact with our sales/application engineering staff. However, since we have no control over the use of our products once they are shipped, NO WARRANTY WHETHER OF MERCHANTABILITY, FITNESS FOR PURPOSE, OR OTHERWISE is made beyond the repair, replacement, or refund of purchase price at the sole discretion of Texmate. Users shall determine the suitability of the product for the intended application before using, and the users assume all risk and liability whatsoever in connection therewith, regardless of any of our suggestions or statements as to application or construction. In no event shall Texmate's liability, in law or otherwise, be in excess of the purchase price of the product.

Texmate cannot assume responsibility for any circuitry described. No circuit patent or software licenses are implied. Texmate reserves the right to change circuitry, operating software, specifications, and prices without notice at any time.



995 Park Center Drive • Vista, CA 92081-8397

Tel: 1-760-598-9899 • USA 1-800-839-6283 • That's 1-800-TEXMATE

Fax: 1-760-598-9828 • Email: sales@texmate.com • Web: www.texmate.com

Texmate has facilities in Japan, New Zealand, Taiwan, and Thailand. We also have authorized distributors throughout the USA and in 28 other countries.

For product details visit www.texmate.com

Local Distributor Address