

DVM-Series



DAM 5

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 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.

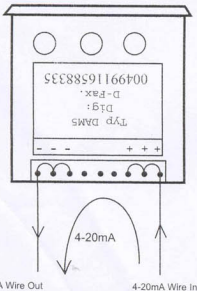
The DVM-5/CL comes standard 0 to 1000 full scale. It can be factory scaled to read output in any engineering unit from 0 to 1999. No decimal point is set on the standard meter, but one may be specified when ordering.

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.

Mini
Case

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 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