



Optional **Panel Adapter Disk**-
When replacing a round analog meter
with a rectangular digital meter meter

TEXMATE

MINI-Series



MINI-5VDIM

0.01% Super Accurate
5V DC Powered
Dimmable Mini Volt Meter
Bi-polar measurement in ranges of
±200mV, ±2V, ±20V, and ±200V
41mA Power Consumption

General Features

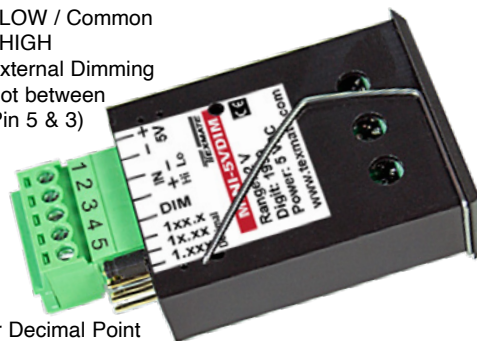
The Texmate MINI-5VDIM Mini Meter is one of the world's smallest autozero, dimmable digital panel meters.

The MINI-5VDIM offers bi-polar measurement in ranges of 200mV, 2V, 20V, and 200V full scale. It is designed for OEM's in the medical and scientific instrument field where small size and exceptional performance are important.

The brightness of the LEDs is user adjustable.

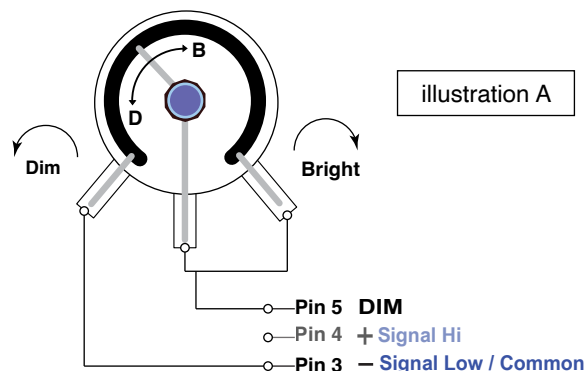
Pin Descriptions

- Pin 1 = +5VDC
- Pin 2 = Ground
- Pin 3 = Signal LOW / Common
- Pin 4 = Signal HIGH
- Pin 5 = DIM (External Dimming
pot between
Pin 5 & 3)



Header Pin for Decimal Point
Decimal Point 1XX.X
Decimal Point 1X.XX
Decimal Point 1.XXX

External Dimming Connections



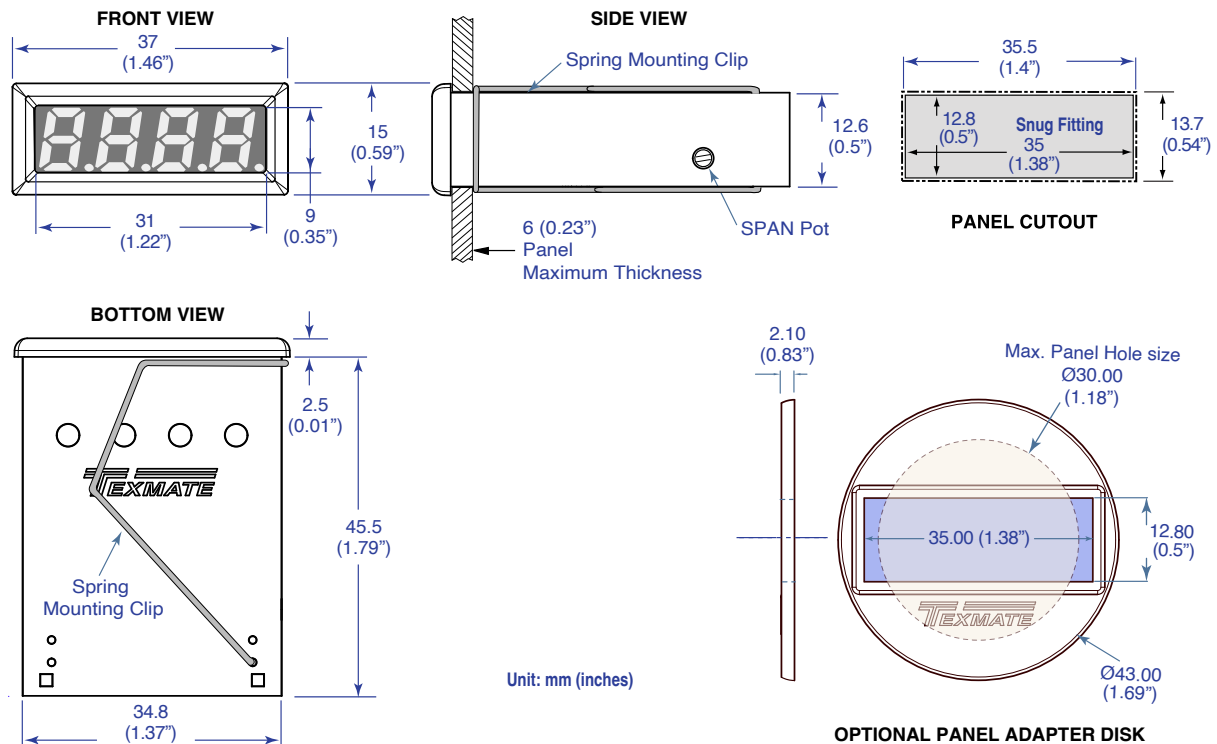
Specifications

- Zero:**..... Autozero
- Internal Brightness:** .. The brightness adjustment is on the upper side and is marked "H". Use insulated screwdriver for adjustment.
- External Brightness:** Uses a 1KΩ pot as shown in the illustration A. Up to 25 meters can be used with a single 1 KΩ pot.
- Sample Rate:**..... 2.5/second
- Span:**..... Adjustable via SPAN pot located on the side of the meter.
- Connection:**..... Meter is supplied with screw terminal type connector.
- Input Resistance:** 0.2/2V 100GΩ, 20/200V 1MΩ
- Accuracy:** 0.01% of reading ± 1 count.
- Warm Up Time:** 2 minutes
- Display:**..... 0.276" (7mm), Red LED, ±1999 counts.
- Over Range:** Blank last three digits
- Decimal Point:** User selectable
- Power Supply:** Regulated 5VDC ±5% @ 41mA
- Operating Temperature:** -10 to 60 °C
- Temperature Coefficient:** ±100ppm / °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:** 0.67 oz (19gms)

Other Mini size mighty performance Meters

- MINI-5VDIM..... 3.5 digit Red LED, 5VDC Power, ±200mV/2/20/200 VDC, Dimmable
- MINI-CL4-20..... 3.5 digit Red LED, Loop Powered, 4-20mA input (1000)

Case Dimensions And Mounting Instructions



Ordering Information

Standard Options for this Model Number

Part Number Description

► BASIC MODEL NUMBER

MINI-5VDIM 3.5 digit Red LED, 5VDC Power, $\pm 200\text{mV}/2/20/200$ VDC

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

ZR-5VDIM-200 . Range change from 0 to $\pm 200\text{DCV}$. Default display scaling ± 199.9 , choose ZS for a different scaling.

ZR-5VDIM-20V.....Range change from 0 to $\pm 20\text{DCV}$. Default display scaling ± 19.99 , choose ZS for a different scaling.

ZR-5VDIM2CMV...Range change from 0 to $\pm 200\text{mVDCV}$. Default display scaling ± 199.9 , choose ZS for a different scaling.

► ACCESSORIES

MINIDISKG. 43mm (1.69") Panel Adapter Disk

Many other options and accessories are available. Visit www.texmate.com for more details.

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

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