



MU-35CL

Current Loop Panel Meter
3 1/2 Digit 0.3" LED
in a 1/32 DIN Case



A Multi-range, Easily-scaled, 4 to 20mA Current Loop Meter.

General Features

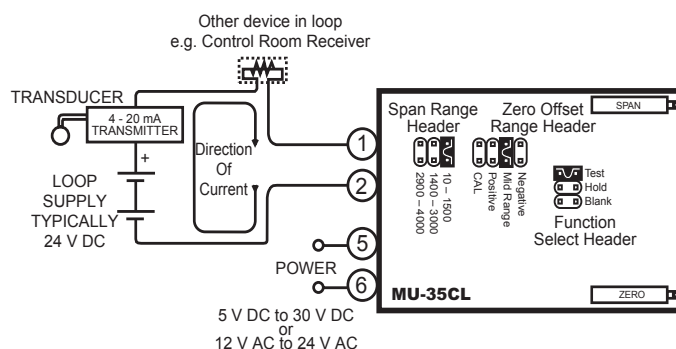
The MU-35CL is a miniature, streamlined 4 to 20 mA current loop meter. It is specifically designed to be easily user-scaled and calibrated to almost any conceivable engineering unit, such as temperature, pressure, viscosity or flow rates, etc., without requiring component changes.

On site scaling and recalibration is facilitated by multi-turn potentiometers that provide continuous adjustment within each of three header-programmable full scale ranges for span and zero offset. Display Hold, Display Blank and Display Test functions are also provided. The standard meters have a high efficiency red LED display. Green displays may also be specified. (See ordering information for available choices).

The MU-35CL interconnects by means of a push-on screw terminal that is provided with the meter. A high quality, internally isolated, wide range, switching supply is built into every MU-35CL meter. This allows the meter to operate from a wide range of AC or DC voltages. (See specifications.) The isolation ensures that ground loop currents do not affect the meter stability.

Typical Application Connections

4 to 20mA Loop Connection



Several devices may be connected in one current signal loop. Each device will have a voltage drop and the sum total of all voltage drops on the loop must not exceed the total loop power supply. The MU-35CL has a maximum voltage drop of 1.4 V at 20mA.

Compatibility

The MU-Series have a matching DIN case style that is complementary to the Lynx, Leopard and Tiger family of meters. MU-Meters are the OEM's choice for economical switchboard and process indication. For economy, each model is dedicated to a specific application and designed for quick and easy installation.



Specifications

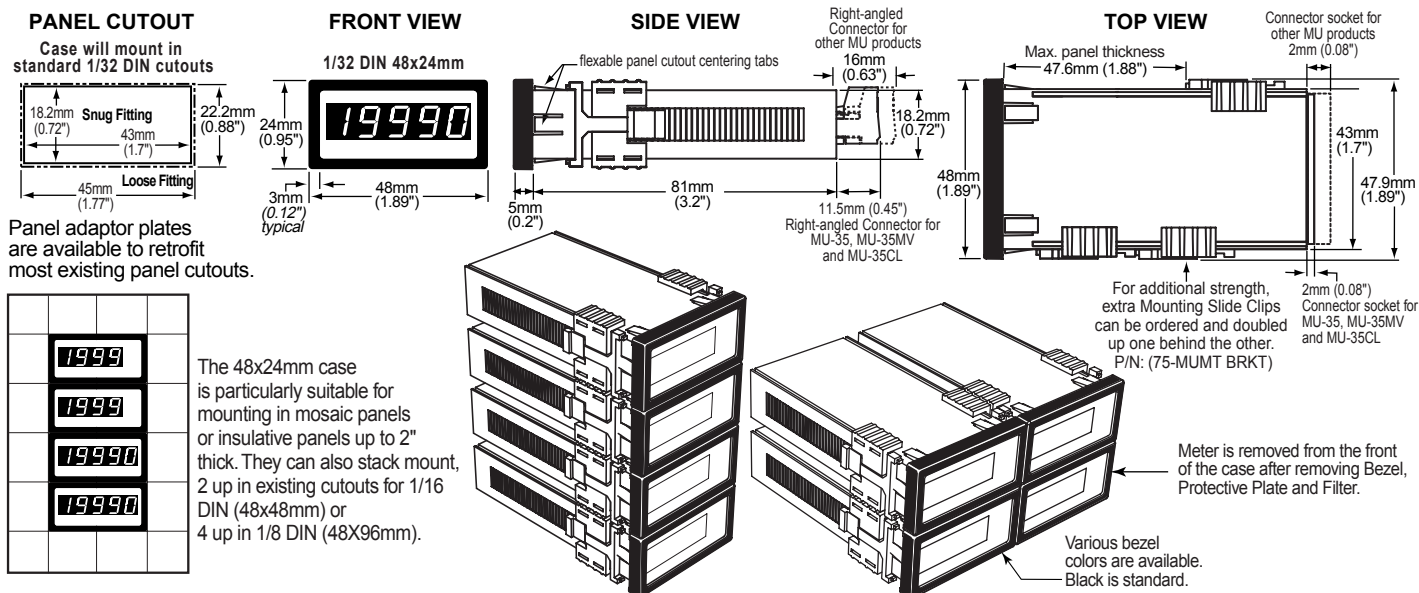
- Input Configuration:**Series connection to 4-20 mA DC current loop
- Input Impedance:**1M minimum
- Full Scale Ranges:**Standard meter is adjustable to any scaling between -1999 to +1999 without component changes
- A/D Converter:**12 Bit Dual Slope
- Accuracy:**±(0.05% of reading + 2 digits)
- Temperature Coefficient:**100ppm/°C (Typical)
- Warm up Time:**One minute to specified accuracy
- Conversion Rate:**3 readings per second
- Display:**0.3" High Efficiency LED, optional non-functional right hand side dummy zero available
- Decimal Selection:**User programmable to 3 positions
- Over-range Indication:**If input exceeds full scale on any range being used, most significant "1" digit & polarity symbol display; all other digits blank.
- Power Supply:**5V DC to 30V DC or 12V AC to 24V AC
Approximately 1.5 watts
- Operating Temperature:**0°C to +50°C
- Storage Temperature:**-20°C to +70°C
- Relative Humidity:**95% (non-condensing)
- Case Dimensions:**1/32 DIN (Bezel 48Wx24Hmm)
Depth behind bezel (3.19") 81mm Plus
(0.38") 9.5mm for connector
- Weight:**312 gms (11 oz)
397 gms (14 oz) when packed

MU-Series, the OEMs choice for DC voltage measuring

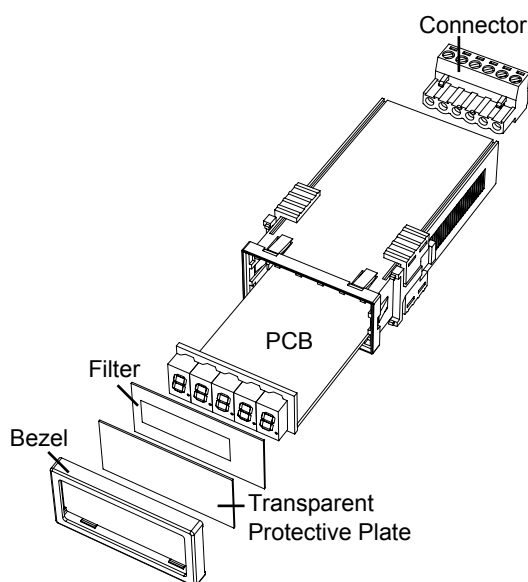
MU-353.5 digit, Iso., 2/20/200 VDC, 5-36VDC/12-24VAC Pwr
MU-35MV3.5 digit, 50/100/200m VDC, Iso., VDC or VAC Pwr

MU-35CL3.5 digit, Iso., 4-20mA input, 5-36VDC/12-24VAC Pwr

MU Case Dimensions and Panel Cutouts



Removing Meter From Case



Ordering Information

Standard Options for this Model Number

Part Number	Description
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► BASIC MODEL NUMBER

MU-35CL3.5 digit, Iso., 4-20mA input, 5-36VDC/12-24VAC Pwr

► DISPLAY

MU-GREENGreen LED Display

MU-RED4.5Dummy zero option with RED Display

MU-GREEN4.5Dummy zero option with GREEN Display

Special Options and Accessories

Part Number	Description
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► SPECIAL OPTIONS (Specify Inputs & Req. Reading)

CB-FB-FS35Non-Std Range and Scale Changes

► ACCESSORIES

MU-CASE48X2448x24mm Complete Case with Bezel

75-MUBEZELBlack Bezel for 48x24mm Case

75-MUMTBRKTMounting Slide Clips, extra set (48x24mm case size)

Prices subject to change without notice.

WARRANTY

Textmate 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. Textmate'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 Textmate's facility, transportation charges pre-paid, and which are, after examination, disclosed to the satisfaction of Textmate to be thus defective. The warranty shall not apply to any equipment which shall have been repaired or altered, except by Textmate, or which shall have been subjected to misuse, negligence, or accident. In no case shall Textmate'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 Textmate.

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