



TEXMATE

UM-35CL

4-20mA Process Loop
3 1/2 DIGIT with 0.56" or 0.8" LEDs
in a Traditional NEMA Style Case

Easily user scaled, this meter is ideal for indication of 4-20mA process loop signals in any engineering unit.

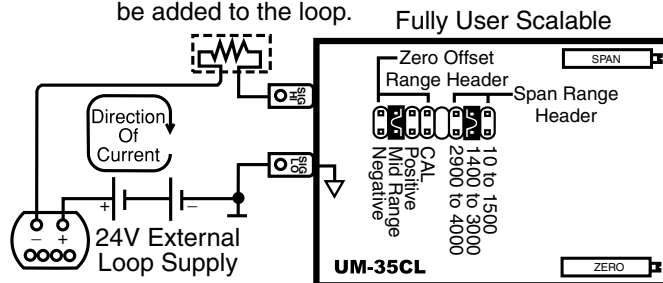
General Features

The UM-35CL is an economical 4-20mA process loop measuring meter. It is easily user adjustable to any reading between -1999 and +1999 with header selectable signal conditioning.

Typical Application Connections

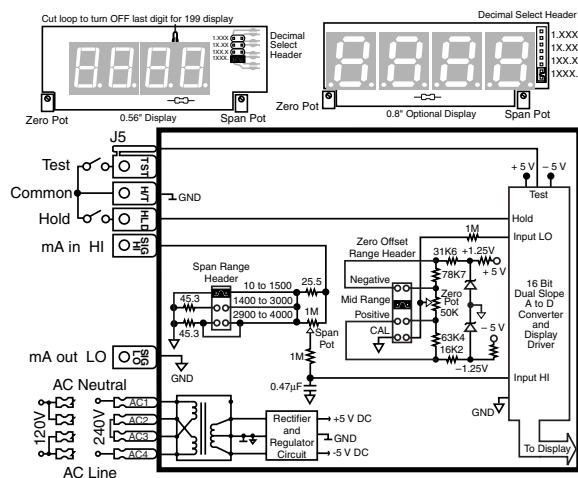
4 to 20mA Process Loop Measurement

Other devices can also be added to the loop.



Order the UM-35CLE, if you require the loop excitation voltage to be supplied by the meter.

Functional Diagram



Compatibility

The UM-Series NEMA case style is complementary to Texmate's Classic RP-Series. For economy, each UM model is dedicated to a specific application. UMs are ideal for upgrading or replacing the traditional USA NEMA case panel meters presently in use.

**Traditional
NEMA
STYLE USA
CASE**

Specifications

Input Configuration:Series connection to 4-20mA process loop.

Full Scale Ranges:.....User adjustable to any scaling between
-1999 to +1999.

Input Impedance:.....70Ω. Maximum 1.4V drop

A/D Converter:.....12 bit dual slope

Accuracy:..... $\pm(0.05\%$ of reading + 2 counts)

Temperature Coefficient: 100 ppm/°C (Typical)

Warm Up Time:2 minutes to specified accuracy

Conversion Rate:3 conversions per second (Typical)

Display:3 1/2 digit 0.56" Red LED display (std),
(optn) Green or Super Bright Red, 0.8"
Red or Green. Range 0 to 1999 counts.

Polarity.....Bipolar. Assumed positive displays negative.

Decimal Selection:.....Header under face plate, X•X•X•X•

Overrange Indication:.....1 (MSD) displayed all other digits blank

Power Supply (std):120/240V AC, 50/60/400 Hz. approx 1.5W.

(Optn) VO-DC/ISOIsolated Switcher 9 to 36V DC/12 to 24V AC

(Optn) VO-24VIsolated Transformer 24V AC $\pm 10\%$

(Optn) VO-5V DCNon-isolated 5V DC $\pm 10\%$

Operating Temperature:..-10 to 50 °C

Storage Temperature:-20 to 70 °C.

Relative Humidity:.....95% (non condensing)

Case Dimensions:.....Bezel 4.06"Wx1.89"H (102.7Wx47.9Hmm)
Depth behind bezel 3.64" (92.22 mm) Plus
0.5 to .9" (12.7 to 22.8mm) depending on
connector used.

Weight:.....10 oz., 13 oz when packed.