



Available in stackable cases (see rear page)



CM-35XT

Loop-Powered Panel Meter
3 1/2 Digit 0.48" LCD
in a Slim Bezel Case

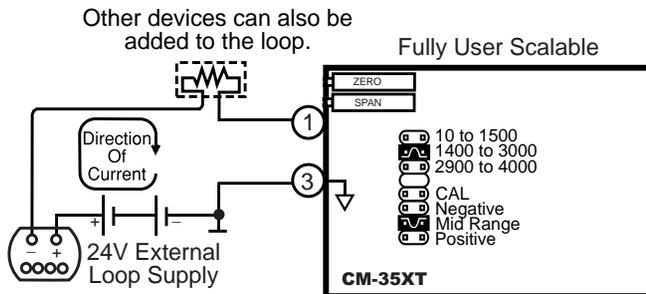
A Multirange, Easily-Scaled, 4-20 mA Process Meter.

General Features

The CM-35XT is specially designed to simplify installation, calibration and scaling. It is one of the CM-Series family of meters. Deriving their operating power from the current loop, these meters require no external power supply. The CM-35XT is a functional replacement for the now obsolete CM-35X meter. Its counterpart, the CM-35XTL, has the same pinout as the CM-35XT but requires only a 1.0V loop drop to operate, making it particularly suitable for current loops that would otherwise exceed their power supply capacity with too many devices connected.

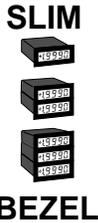
The meters feature Display Hold, Display Test and Auto-Polarity Indication. The polarity indication may be disabled or reversed by repositioning jumper clips on internal header pins. Another feature of the CM-series meters is the 4 1/2 digit LCD display which provides for a non-active trailing dummy zero or a °C/°F descriptor. Descriptor indication may be disabled or re-programmed by repositioning jumper clips on internal header pins.

Typical Application Connections



Compatibility

The CM-Series is shipped in a standard Slim Bezel case. The Slim Bezel case is compatible with the TM, SM, PM, & SP Series of meters. The CM-Series can be ordered in End Mount cases for twin mounting or combinations of multiple center mount cases and two end mount cases for stack mounting.



Specifications

- Input Configuration:**Series connection to 4-20mA DC current loop
- Full Scale Ranges:**Standard meter is adjustable to any scaling between -1999 to +1999 or -19990 to +19990 with the dummy zero enabled
- Input Impedance:**5.1 Volts drop, plus 70.8Ω (equivalent to 6.5V Maximum @ 20mA)
- Maximum Overcurrent:**200mA continuous
- A/D Converter:**12 bit dual slope
- Accuracy:**± (0.05% of reading + 2 digits)
- Maximum Resolution:**± 1999 counts
- Gain Temp. Coefficient:**0.2 counts/°C typical
- Zero Temp. Coefficient:**0.15 counts/°C typical
- Conversion Rate:**3 readings per second
- Display:**0.48" Liquid Crystal Display (LCD)
- Descriptors:**Header programmable trailing dummy zero, °C or °F
- Polarity:**Automatically displays either "+" or "-"; header programmable polarity disable and reversal
- Decimal Selection:**User programmable to three positions
- Over-range Indication:**When input exceeds full scale on any range being used, most significant "1" digit and polarity symbol are displayed with all other digits blank.
- Power Supply:**NO SEPARATE POWER SUPPLY IS REQUIRED; as the unit derives its power from the 4-20mA current loop signal
- Operating Temperature:**-20°C to +50°C
- Storage Temperature:**-20°C to +70°C
- Relative Humidity:**95% (non condensing)
- Case Dimensions:**Bezel (2.755"W x 1.170"H) 69.68mmW x 29.72mmH
Depth behind bezel (3.315") 84.2mm
Plus (0.685") 17.4mm for connector
- Weight:**143 gms (5 oz) when packed

CM-Series, The Choice for Loop-Powered Meters