



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

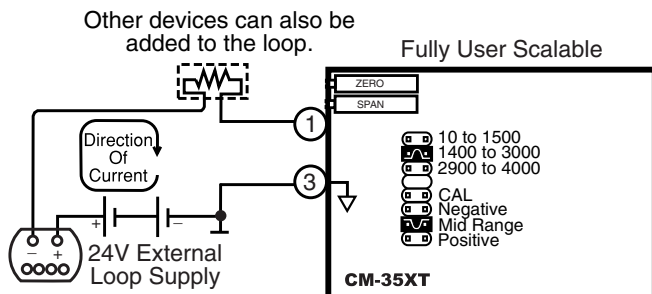
A Multirange, Easily-Scaled, 4-20 mA Process Meter.

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.

SLIM



BEZEL

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

CM-35XT 3.5 digit LCD, Loop Powered, 4-20mA (1.0.0.0.0)

CM-35XTL 3.5 digit LCD, 1 Volt Drop, Loop Powered, 4-20mA (1.0.0.0.0)



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CM Case Dimensions and Panel Cutouts

The Slim Bezel Case is supplied as standard. If specified at time of ordering, any combination of Twin Mounting and Multiple Array Cases may be substituted at no additional cost. Extra cases may be ordered separately.

STANDARD SLIM BEZEL CASE

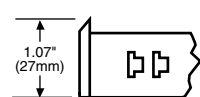
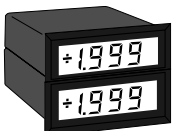


SLIM BEZEL CASE

Standard Black ABS case with matte finish bezel for single unit mounting.

Part No. **SL-CASERED** for LED's
SL-CASECLR for LCD's

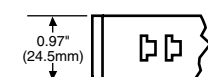
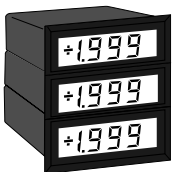
OPTIONAL TWIN MOUNTING OR MULTIPLE ARRAY CASES



END MOUNT CASE

Same styling as Slim Bezel case but with bottom edge of bezel removed. Two End Mount cases can be twin mounted in a single cutout.

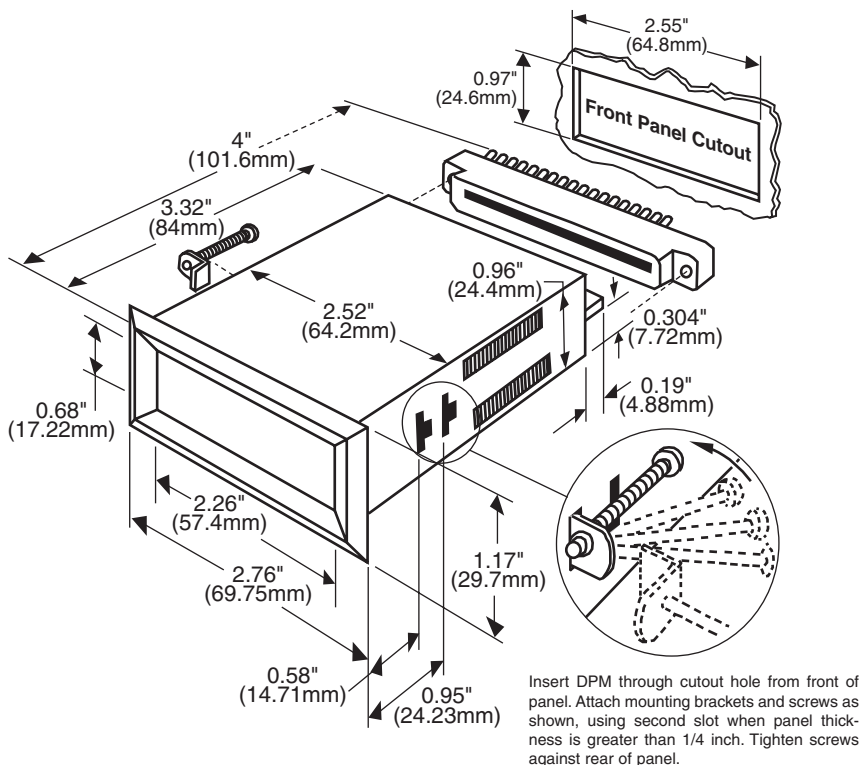
Part No. **EM-CASERED** for LED's
EM-CASECLR for LCD's



CENTER MOUNT CASE

Any number of Center Mount cases may be fitted between two End Mount cases for multiple arrays.

Part No. **CM-CASERED** for LED's
CM-CASECLR for LCD's



Ordering Information

Standard Options for this Model Number

Part Number	Description
► BASIC MODEL NUMBER	
CM-35XT	3.5 digit LCD, Loop Powered, 4-20mA
► SPECIAL OPTIONS (Specify Req. Reading)	
CB-FS35	.Non-Std Scale Changes, 3.5 Digit Meters

Special Options and Accessories

Part Number	Description
► ACCESSORIES	
CN-L10	PCB Edge Connector, Solder Type, Dual Row 10 Pins
CN-PUSH/CM	CM Series Push-on Screw Terminal Block Connector
SL.CASECLR	Slim Bezel Case, Clear Faceplate w/Mtg Hardware
CM.CASECLR	Center Mount Case, Clear Faceplate w/Mtg Hardware
EM.CASECLR	End Mount Case, Clear Faceplate w/Mtg Hardware
TB-KIT	Replacement Terminal Block Connector Kit (3)

Many other options and accessories are available. See full price list for details.
Prices subject to change without notice.

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