

CMCP 510

4-20 mA Loop-Powered 3 1/2 Digit Meter

The CMCP 500 loop-powered digital panel meters are complete with a large, easy to read display, and require no external power source. The large 9.4 mm digits exhibit uniform intensity over the entire 4-20 mA operating range. Additionally the total maximum loop voltage drop is only 5V.

Both gain (span) and offset (zero) adjustments are performed with on-board precision, 20 turn potentiometers. All decimal-point and range-change selections are made on a six-position DIP switch featuring vibration-resistant, gold-plated contacts. There are no jumpers or solder gaps to close. Connections to the current loop are made via a reliable, two-position, screw-type terminal block.

Specifications

Current Loop Input	Min.	Typ.	Max.	Units
Full Scale Input Range	+4	—	+20	mA
Input Impedance	—	250	—	Ω
Voltage Drop	—	4.0	5.0	V
Over-Current Protection	—	—	+/-40	mA

Performance

Sampling Rate	2.5 Per Sec			
Accuracy (1 min. Warm up)	+/- 0.05%FS		+/- 1	Count
Temp. Drift (0-+60°C)	—	+/-0.15	+/-0.3	Cnts/°C

Display

Display Type & Size	3.5 Digit	Red	LED	0.94 mm
Polarity Indication	"-" for Neg.			
Over-Range Indication	"-1__" for Neg.		"1__" for Pos.	

Physical/Environmental

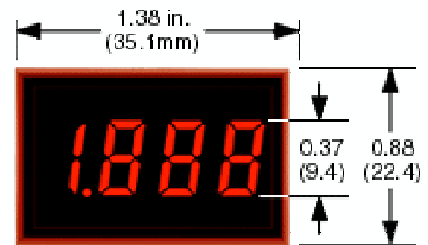
Operating Temperature	0	—	60	*C
Storage Temperature	-40	—	75	*C
Humidity (Non-Condensing)	0	—	95	%
Case Material	Poly-Carbonate			
Weight	0.6 ounces		17 grams	

Although care has been taken to assure the accuracy of the data compiled in this publication, Sales Technology, Inc. (STI) does not assume any liability for errors or omissions. STI reserves the right to alter any part of this publication without prior notice.

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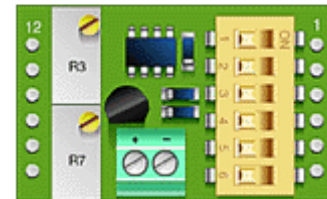


- Large (0.37"/9.4mm), Easy-to-Read LED Displays
- Subminiature 1.38 x 0.88 x 0.48 in. (35 x 22 x 12mm) Package
- Epoxy-encapsulated for Ruggedness



METER DEPTH: 0.48 in. (12mm)

ZERO/OFFSET ADJUST DIP SWITCHES



GAIN/SPAN ADJUST LOOP INPUT

Ordering Information:

	4 mA Input	20 mA Input
CMCP 510	-XXX	-XXX

Example

CMCP 510	00.0	25.0
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Your STI Representative: