

CMCP-505

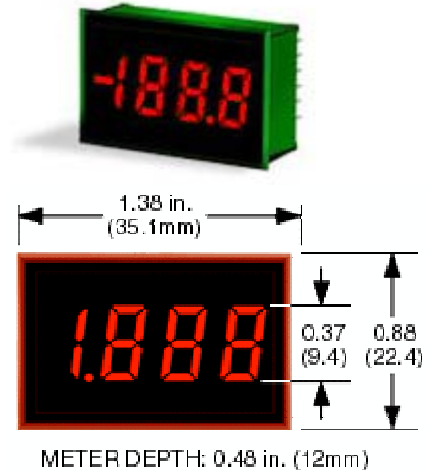
0-5 VDC, 24 VDC Powered 3 1/2 Digit Meter

Features:

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

The CMCP-505 digital panel meter is a large (9.4 mm), easy to read display designed to integrate with the 0-5 VDC output of the CMCP-500A series monitors. The meter requires 5 to 40 VDC at 9 mA. Both the signal (SW) and power (+V and COM) are available on the top terminal of the CMCP-500A monitor.

The panel meter is calibrated at CMCP to integrate with the specified CMCP-500A Monitor. 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:

Voltage Input	Min.	Typ.	Max.	Units
Full Scale Input Range	4.9	5.0	5.1	VDC
Input Impedance	100	—	140	kΩ
Over-Voltage 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.	

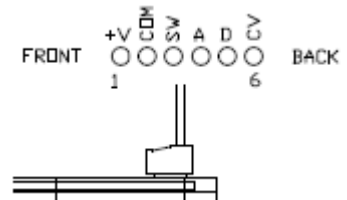
Physical/Environmental

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	

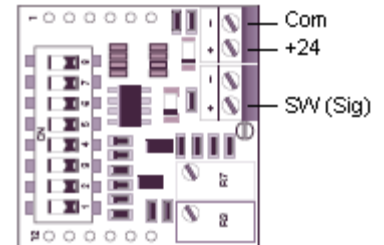
Wiring Instructions:

Red	+24 VDC
Black	Common
White	SW (Signal)

Top Terminal on CMCP-500A Monitor:



Terminals On Bi-Polar Models Only:



Ordering Information:

	0 VDC Input	5 VDC Input
CMCP-505	-XXX	-XXX

Example

CMCP-505	00.0	25.0
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