

# CX101A MINI LCD PANEL METER

## FEATURES

200mV DC INPUT (SCALABLE 20,200,500)  
 100M  $\Omega$  INPUT IMPEDANCE  
 SELECTABLE DECIMAL POINT  
 AUTO POLARITY  
 AUTO ZERO  
 7-11VDC POWER  
 EASY SNAP-IN MOUNTING



## SPECIFICATIONS

**MAX INPUT:** 199.9 mV  
**INPUT IMPEDANCE:** 10M $\Omega$   
**SUPPLY INPUT:** 7-11VDC 9V NOMINAL  
 Isolated from Input  
**CONVERSION TYPE:** DUAL SLOPE  
**DISPLAY:** 3-1/2 DIGIT LCD  
**OVERRANGE:** "1" SHOWN ON DISPLAY  
**DECIMALSELECT:** 3 POS. JUMPER SELECT

**CONNECTIONS:** 13PIN HEADER  
**MAX DISPLAY:** 1999 COUNTS  
**ACCURACY:**  $\pm 0.1\%$  ( $23^\circ \pm 5^\circ < 80\% \text{ RH}$ )  
**SUPPLY CURRENT:** 1mA DC  
**CONVERSION RATE:** 2.5/SEC.  
**CHARACTER HT.:** .5in  
**METER SIZE:** 60.3MM X 25MM X 25MM

## SETUP & OPERATION

1: USING CX SCALE BOARD (RECOMMENDED) 2: CONNECTIONS WITHOUT SCALE BOARD

**A:** Solder Bridge Decimal point Enable J1  
**B:** Solder Bridge DP1-3 as needed  
**C:** Solder Bridge Required Range (all others Open)  
**D:** Connect 7-11VDC Power Supply  
**E:** Connect leads to source to be measured  
**F:** Carefully insert onto pins on Meter

**A:** Solder Decimal Pt. jumpers as required  
**B:** Solder jumper between Pins 9 & 10  
**C:** Solder resistors to pins as shown below

Input	RA	RB
20V	9.9M	100K
200V	9.99M	10.0K
1KV	9.999M	1.00K

Scaling resistors RA/RB (Not Supplied)  
 Scaling Resistors: 1/2W 0.5% Metal film

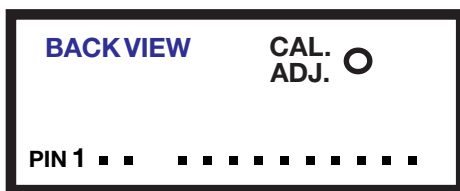
**D:** Connect 7-11VDC Power Supply leads  
**E:** Connect leads from source to be measured

## CALIBRATION

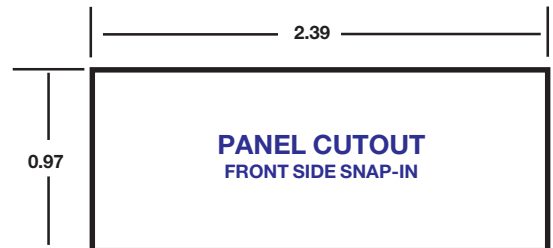
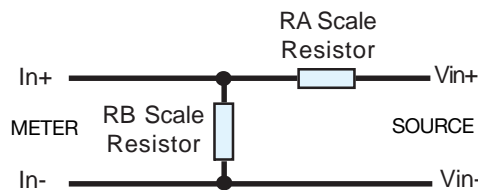
Input a voltage from calibration source  
 Adjust control through hole in case until reading  
 equals that of calibration source.

## PIN DESIGNATIONS

Pin1: V+ Power	Pin8: Reference Low
2: V- Power	9: Reference High
3: Key (no Pin)	10: Reference Out High
4: N/C	11: Decimal Point 1 (x.xxx)
5: Common	12: Decimal Point 2 (xx.xx)
6: InLo Input -	13: Decimal Point 3 (xxx.x)
7: InHi Input +	



1 V+ — connect to  
 V- — power source  
 NC  
 NC  
 COM  
 INLO  
 INHI — IN +  
 RFL — IN -  
 RFH  
 ROH  
 DP3 — connect one  
 DP2 — to V+ to turn  
 13 DP1 — on D.P.



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