

CX101B MINI LCD PANEL METER

FEATURES

- 200mV DC INPUT (SCALABLE 20,200,500)
- 10M Ω INPUT IMPEDANCE
- SELECTABLE DECIMAL POINT
- AUTO POLARITY
- AUTO ZERO
- 5VDC POWER
- EASY SNAP-IN MOUNTING



SPECIFICATIONS

MAX INPUT:	199.9 mV	CONNECTIONS:	13PIN HEADER
INPUT IMPEDANCE:	10M Ω	MAX DISPLAY:	1999 COUNTS
SUPPLY INPUT:	5VDC	ACCURACY:	+0.1% (23° +- 5° < 80% RH)
	Isolated from Input	SUPPLY CURRENT:	1mADC
CONVERSION TYPE:	DUAL SLOPE	CONVERSION RATE:	2.5/SEC.
DISPLAY:	3-1/2 DIGIT LCD	CHARACTER HT.:	.5in
OVERRANGE:	"1" SHOWN ON DISPLAY	METER SIZE:	60.3MM X 25MM X 25MM
DECIMALSELECT:	3 POS. JUMPER SELECT		

SETUP & OPERATION

1: USING CX SCALE BOARD (RECOMMENDED)

- 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 connector onto Meter pins

2: CONNECTIONS WITHOUT SCALE BOARD

- A: Solder jumper from Decimal Pt. pin to Pin 1
- B: Solder jumper between Pins 9 & 10
- C: Solder resistors to pins 6 & 7 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

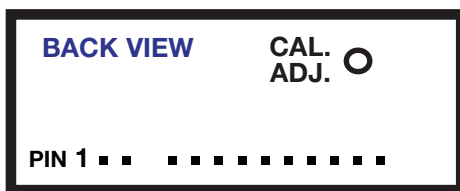
- D: Connect 5VDC Power Supply leads
- E: Connect leads from source to be measured

CALIBRATION

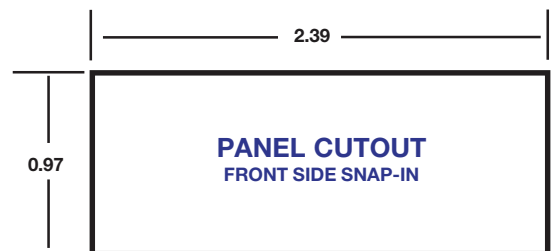
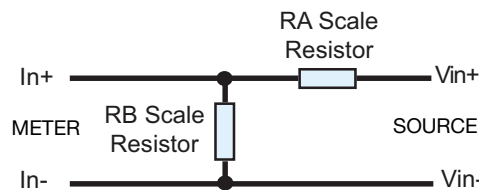
Input a voltage from calibration source
Adjust control through hole in case until reading
equals that of calibration source.

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
- DP1 — on D.P.



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