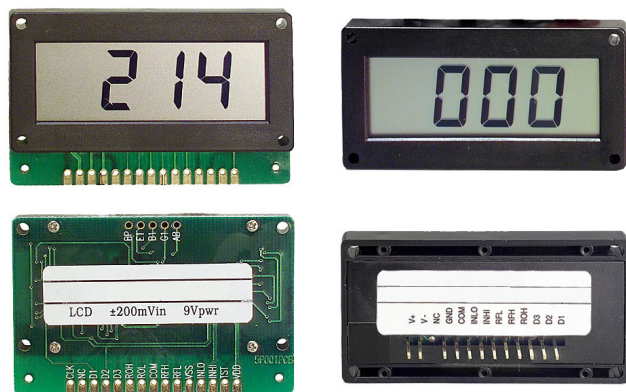




FEATURES

- ▶ Low-cost
- ▶ Ultra compact flat design
- ▶ Less than .25" deep
- ▶ 31½ digits with high-contrast LCD

SPECIFICATIONS

DISPLAY

Digits:	3 ½ digits (±1999 counts)
Type:	0.5" (13mm) 7 segment reflective LCD
Digit Height:	.50" (12.7mm)
Polarity Ind.:	automatic, "-" displayed
Annunciators:	"LoBat" when power <7.2 VDC
Decimal Points:	3 position, user-selectable
Overrange:	three lower order digits blank for inputs >1999

INPUTS

Ranges: $\pm 200.0\text{mV}$, $\pm 2.000\text{V}$, $\pm 20.00\text{V}$ DC
Configuration: true differential input and reference
Protection: 250 VDC or 150 V RMS continuous,
 300 V intermittent max
Impedance: $>100\text{ M}\Omega$ on $\pm 200\text{mV}$;
 $(>1\text{ M}\Omega$ on 2V & 20V range)
Bias Current: 1 pA typical, 10 pA max

PERFORMANCE

Accuracy:	$\pm(0.1\% \text{ fs} + 2 \text{ count})$ with +5 and $\pm 5\text{V}$ power $\pm(0.1\% \text{ rgd} + 1 \text{ count})$ with 9 V power
Conversion Rate:	2.5 per second
Normal Mode Rejection:	>30 dB @ 60 Hz
Common Mode Range:	$\pm 1 \text{ VDC}$ max
Common Mode Rej.:	>86 dB
Zero Adjustment:	automatic
Warmup:	10 min typical
Temperature Coeff.:	$\pm 100 \text{ ppm per } ^\circ\text{C}$ typical

ENVIRONMENT

Operating Range: 0 to 50 °C
Storage Range: -10 to 60 °C
Relative Humidity: 0 to 95% non-condensing

POWER SUPPLY

9V powered: 9 V isolated, 7.2-12 V at 150 μ A
 +5V and -5V DC: ± 5 V $\pm 5\%$ at 150 μ A
 +5V DC: 5 V $\pm 5\%$ at 3 mA

MOUNTING

Dimensions: 2.37 x 1.50 x .32
Panel Cutout: 1.89 x .66
Weight: 0.9 oz (25 g)

CONNECTION

13 pins, 0.025" square - pin 3 missing
15 solder pads

ORDERING INFO

15 pads

PART NUMBER	METER INPUT	METER POWER
DK171	200mV	9V
DK172	2V	9V
DK173	20V	9V

13-pins

PART NUMBER	METER INPUT	METER POWER
DK174	200mV	9V
DK175	2V	9V
DK176	20V	9V
DK177	200mV	+5VDC
DK178	2V	+5VDC
DK179	20V	+5VDC

ACCESSORIES

B-1B.....	Bezel Mounting Kit
J1C13.....	13 Pin Connector / Wire Assembly
PW2-5.....	Regulated 120V AC to 5V DC Power Supply
PW2-12.....	Regulated 120V AC to 12V DC Power Supply
CVC.....	Calibrator

Specifications Installation and Operating Instructions

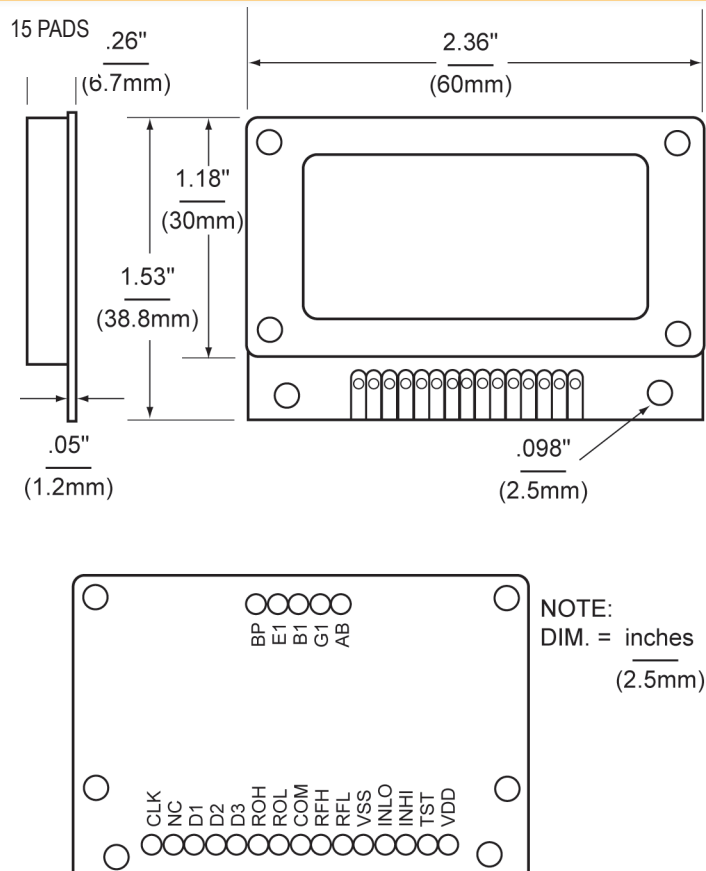
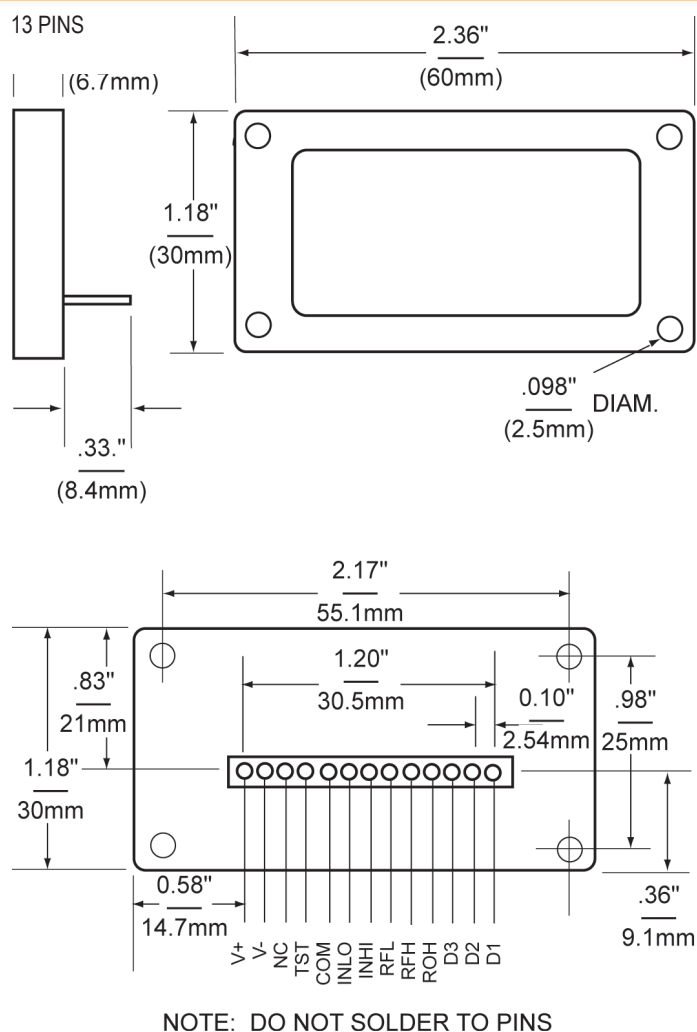
LCD Digital Panel Meters

Flat Pack 3½ Digit LCD

DK170



DIMENSIONS



BEZEL MOUNTING

