

FEATURES

- ▶ Low-cost, high-performance DPMs
- ▶ Optional RED, GREEN or AMBER backlighting
- ▶ Snap-in bezel mount eliminates mounting hardware
- ▶ Resistant to RF and EMI
- ▶ 4½ digits with high-contrast LCD
- ▶ User-selectable, displayed engineering units

SPECIFICATIONS

DISPLAY

Digits: 4½ digits (± 19999 counts)
 Type: 0.45" (11.4 mm) 7 segment LCD
 Backlighting: Optional Red Negative (red numbers/black background)
 Optional Green Negative (green numbers/ black background)
 Optional Amber Negative (amber numbers/ black background)
 Optional Green Positive (black numbers / green background)
 Polarity: automatic, "-" displayed
 Annunciators: °F, °C, PSI, %, user-selectable
 Decimal Points: 4 position, user-selectable
 Overrange: four lower order digits blank for inputs >19999

INPUTS

Ranges: $\pm 200.0\text{mV}$, $\pm 2.000\text{V}$, $\pm 20.00\text{V DC}$
 Configuration: bipolar differential
 Protection: $\pm 350\text{ VDC}$, ($\pm 100\text{ VDC}$ on 200 mV range)
 Impedance: 1000 M Ω on $\pm 200\text{ mV}$;
 (1 M Ω on 2 V & 20 V range)
 Bias Current: 1 pA ($\pm 200\text{ mV}$), 100 pA (other ranges)

PERFORMANCE

Accuracy: $\pm (0.1\% \text{ fs} + 2 \text{ count})$
 Conversion Rate: 3 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 minutes typical
 Temperature Coeff.: $\pm 100\text{ ppm per } ^\circ\text{C typical}$

ENVIRONMENT

Operating Range: 0 to 50 °C
 Storage Range: -10 to 70 °C

POWER SUPPLY

+5VDC +5 VDC at 3.5 mA max
 Optional Backlight: 24 VDC at 35 mA, 5 VDC at 130mA typical

MOUNTING

snap-in bezel mount

CONNECTION

13 pins, 0.025" square

ORDERING INFO

PART NUMBER	BACKLIGHT COLOR	METER INPUT	BACKLIGHT POWER
DK741	NO BACKLIGHT	200mV	NONE
DK742	NO BACKLIGHT	2V	NONE
DK743	NO BACKLIGHT	20V	NONE
DK751	NEG AMBER	200mV	5VDC
DK752	NEG AMBER	2V	5VDC
DK753	NEG AMBER	20V	5VDC
DK761	NEG GREEN	200mV	5VDC
DK762	NEG GREEN	2V	5VDC
DK763	NEG GREEN	20V	5VDC
DK771	NEG RED	200mV	5VDC
DK772	NEG RED	2V	5VDC
DK773	NEG RED	20V	5VDC
DK781	POS GREEN	200mV	5VDC
DK782	POS GREEN	2V	5VDC
DK783	POS GREEN	20V	5VDC

ACCESSORIES

J4C13	13 Pin connector / Wire Assembly
PW2-5	Regulated 120V AC to 5V DC Power Supply
PW2-24	Regulated 120V AC to 24V DC Power Supply
CVC	Calibrator



Specifications Installation and Operating Instructions

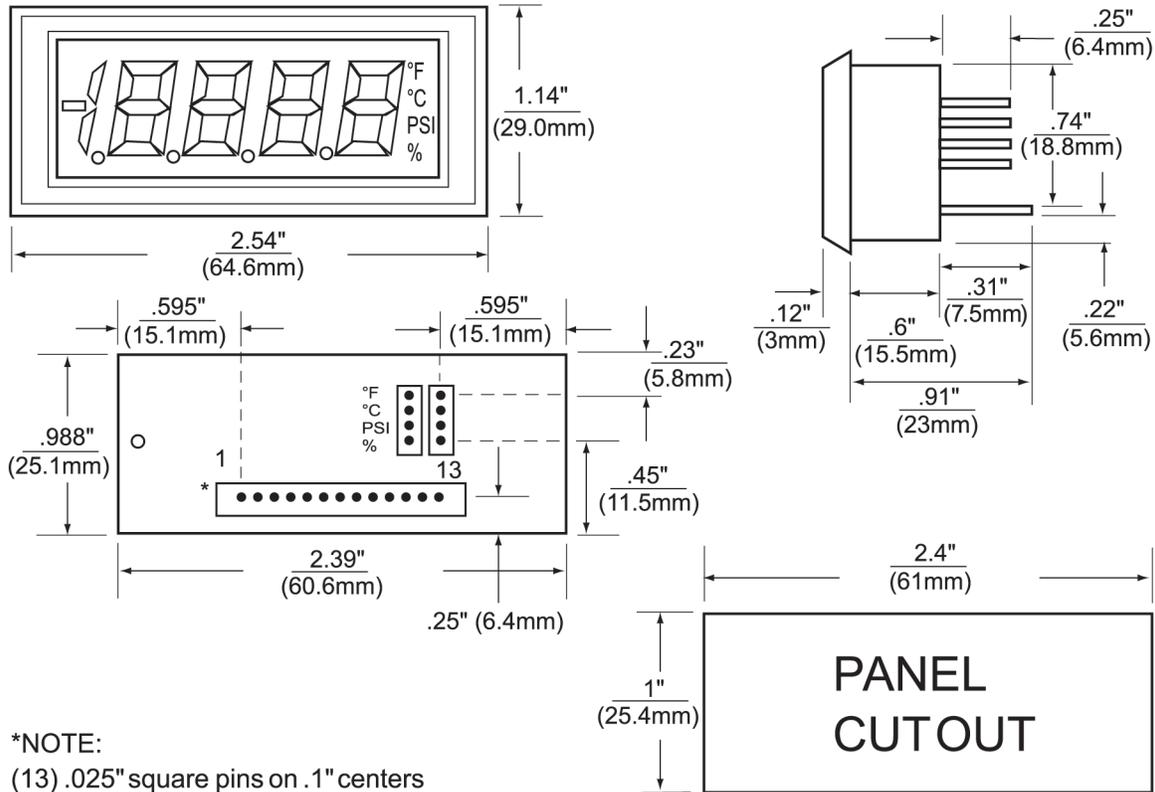
LCD Digital Panel Meters

EPIC Series - 4½ Digit LCD

DK740-780



DIMENSIONS



*NOTE:
(13) .025" square pins on .1" centers

WIRING

PIN #	PIN NAME	DESCRIPTION
1	+5V	+5V POWER SUPPLY
2	NEG	POWER SUPPLY GROUND
3	INHI	POSITIVE INPUT SIGNAL
4	INLO	NEGATIVE INPUT SIGNAL
5	COM	DECIMAL COMMON
6	0000.0	0000.0 WHEN CONNECTED TO DECIMAL COMMON
7	000.00	000.00 WHEN CONNECTED TO DECIMAL COMMON
8	00.000	00.000 WHEN CONNECTED TO DECIMAL COMMON
9	0.0000	0.0000 WHEN CONNECTED TO DECIMAL COMMON
10	NC	NO CONNECTION REQUIRED
11	SH	SIGNAL HOLD WHEN CONNECTED TO V+
12	BLV+	B/L V+ (BACKLIT MODELS ONLY)
13	BLV-	B/L V- (BACKLIT MODELS ONLY)

Note: Pins 2 & 4 should be tied together for proper operation