

Features:

- ◇ Low-cost, high-performance DPMs
- ◇ Optional RED, GREEN or AMBER backlighting
- ◇ Snap-in bezel mount eliminates mounting hardware

- ◇ 4½ digits with high-contrast LCD
- ◇ Resistant to RF and EMI
- ◇ User selectable, displayed engineering units

Specifications:

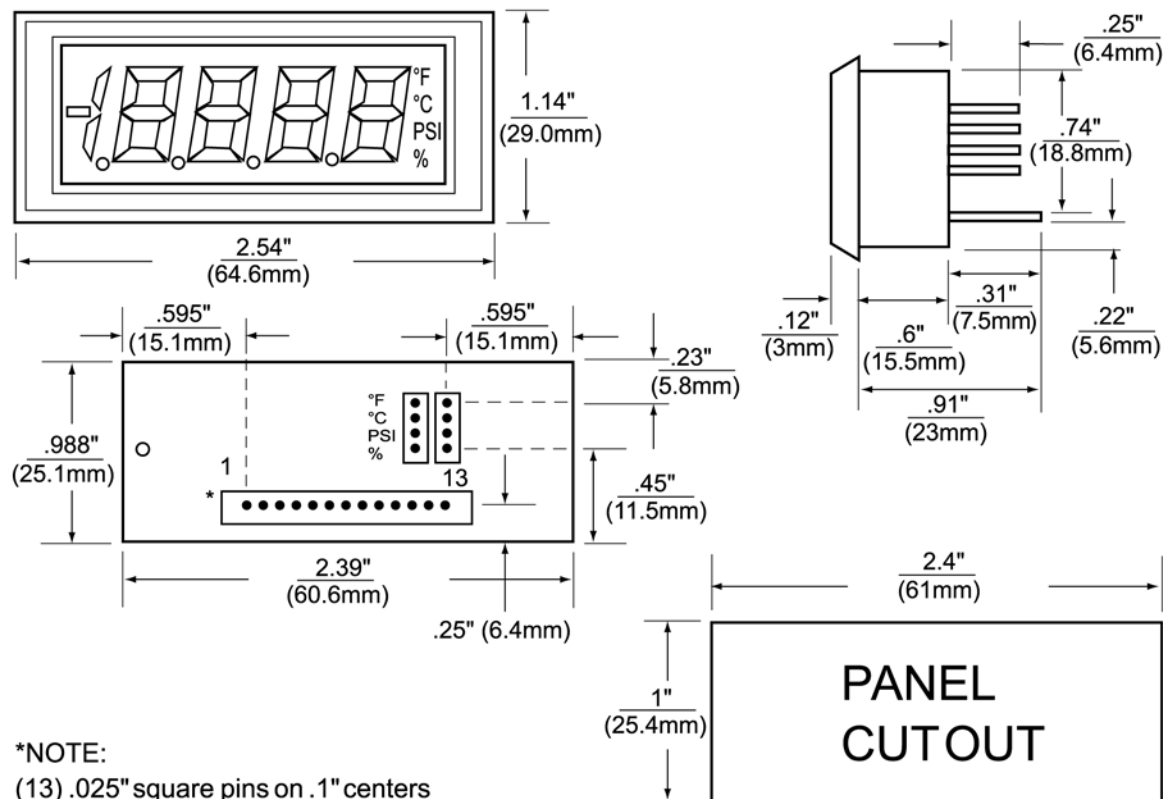
Display:	Digits:	4 ½ digits (±19999 counts)
	Type:	0.45" (11.4 mm) 7 segment LCD
Backlighting:		Optional Red Negative (red numbers/black background) Optional Green Negative (green numbers/black background) Optional Amber Negative (amber numbers/black background) Optional Green Positive (black numbers/green 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 & < -19999
Inputs:	Ranges:	±200.00mV, ±2.0000V, ±20.000V DC
	Configuration:	bipolar differential
	Protection:	±350 VDC, (±100 VDC on 200 mV range)
	Impedance:	1000 MΩ on ± 200 mV; (1 MΩ on 2 V & 20 V range)
	Bias Current:	1 pA (± 200 mV); 100 pA (other ranges)
Performance:	Accuracy:	±(0.1% fs + 2 count)
	Conversion Rate:	3 per second
	Normal Mode Rejection:	>30 dB @ 60 Hz
	Common Mode Range:	±1 VDC max
	Common Mode Rej.:	>86 dB
	Zero Adjustment:	automatic
	Warmup:	10 minutes typical
	Temperature Coefficient:	±100 ppm per °C typical
Environment:	Operating Range:	0 to 50 °C
	Storage Range:	-20 to 70 °C
Power Supply:	+5V DC:	+5 VDC at 3.5 mA max
	Optional Backlight:	5 VDC at 130 mA typical
Mounting:		snap-in bezel mount
Connection:		13 pins, 0.025" square

Ordering Information:

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

J4C13.....	13 Pin connector / Wire Assembly
PW2-5.....	Regulated 120V AC to 5V DC Power Supply
PW1.0.....	24V AC to adjustable DC output
CPW1.5.....	24V AC to adjustable DC output
CVC.....	Calibrator

Dimensions



Wiring

Pin No.	Pin Name	Description
1	+5V	+5V power supply
2	NEG	Power supply ground
3	INH1	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.