



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

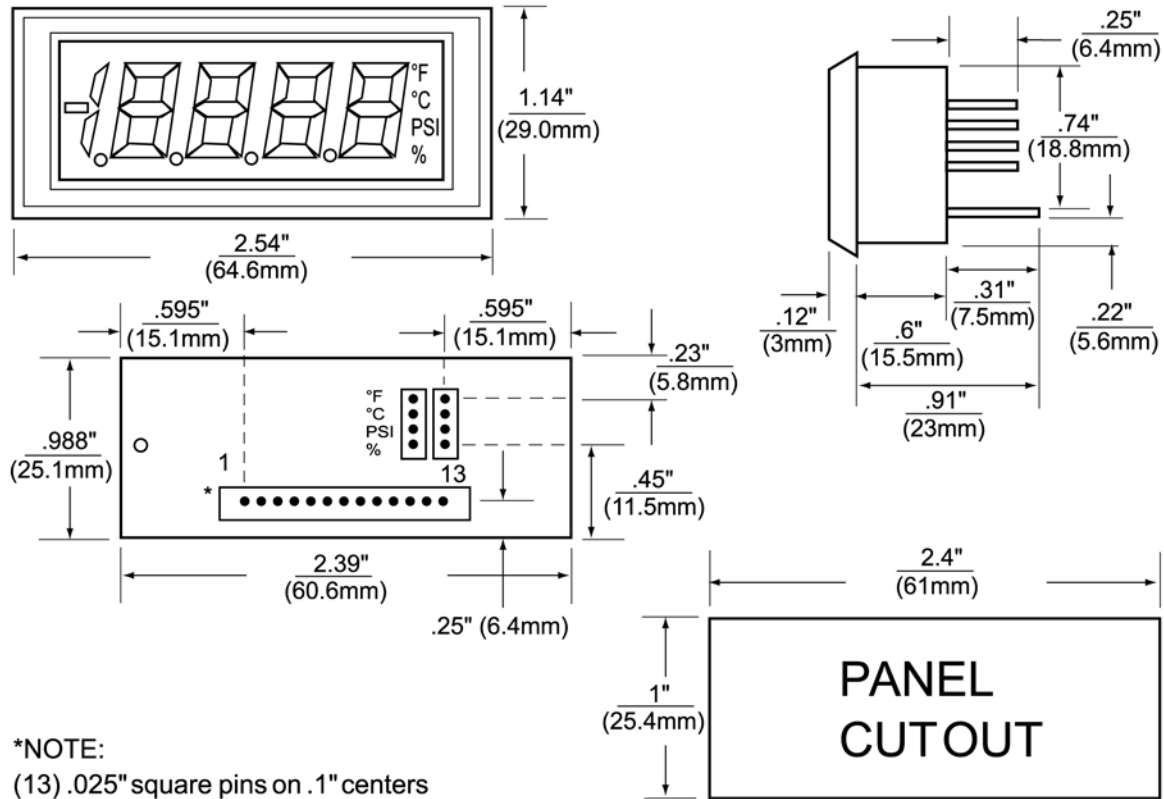
Specifications:

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
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 Coeff.:	±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:	24 VDC at 35 mA, 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
DMO-741	NO BACKLIGHT	200mV	NONE
DMO-742	NO BACKLIGHT	2V	NONE
DMO-743	NO BACKLIGHT	20V	NONE
DMO-751	NEG AMBER	200mV	5VDC
DMO-752	NEG AMBER	2V	5VDC
DMO-753	NEG AMBER	20V	5VDC
DMO-754	NEG AMBER	200mV	24VDC
DMO-761	NEG GREEN	200mV	5VDC
DMO-762	NEG GREEN	2V	5VDC
DMO-763	NEG GREEN	20V	5VDC
DMO-764	NEG GREEN	200mV	24VDC
DMO-771	NEG RED	200mV	5VDC
DMO-772	NEG RED	2V	5VDC
DMO-773	NEG RED	20V	5VDC
DMO-774	NEG RED	200mV	24VDC
DMO-781	POS GREEN	200mV	5VDC
DMO-782	POS GREEN	2V	5VDC
DMO-783	POS GREEN	20V	5VDC
DMO-784	POS GREEN	200mV	24VDC
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	

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.