



HDMO-7 Series

4.5 LCD Digital Panel Meter



EPIC Series - 4½ Digit LCD

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: ±200.0mV, ±2.000V, ±20.00V 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

+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 t

Connection

13 pins, 0.025" square

Features

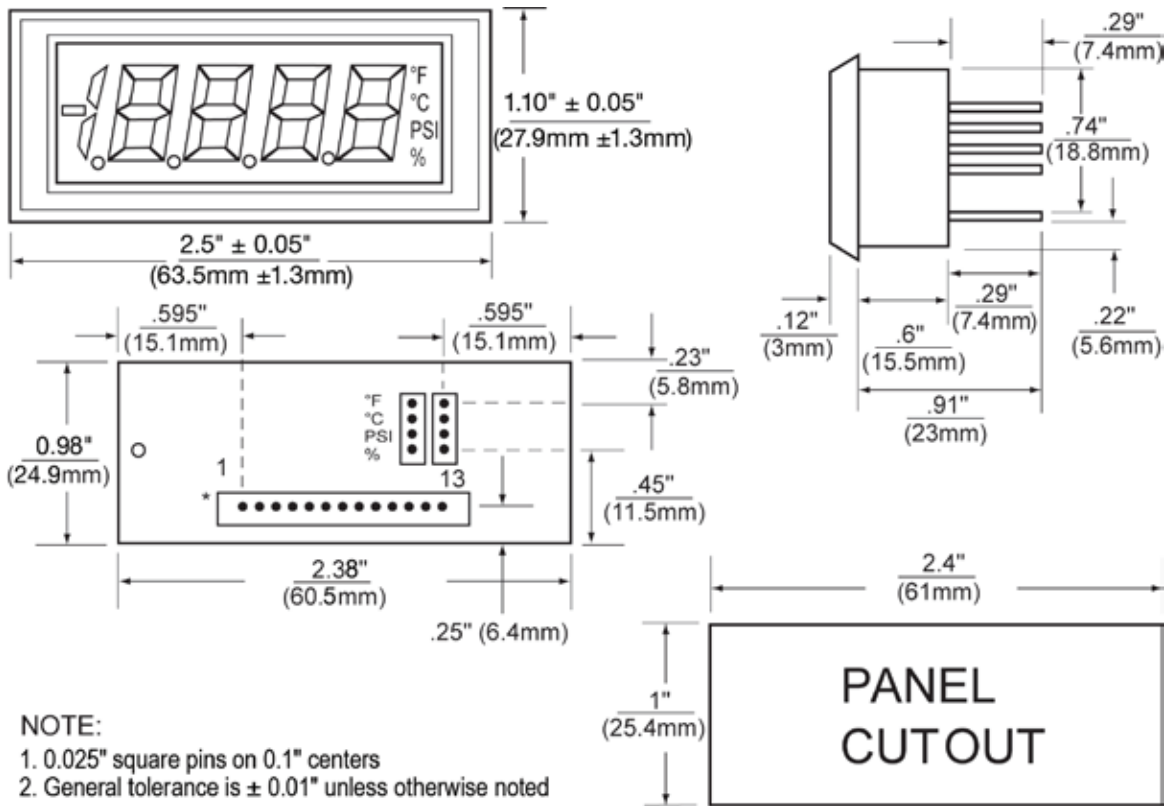
- Low-cost, high-performance DPMs
- Optional RED, GREEN or AMBER backlighting
- Snap-in bezel mount eliminates mounting hardware
- Resistant to RF and EMI
- 4½ digits with high-contrast LCD
- User-selectable, displayed engineering units

Ordering Info

Part #	Backlight Color	Meter Input	Backlight Power
HDMO-741	No Backlight	200mV	None
HDMO-742	No Backlight	2V	None
HDMO-743	No Backlight	20V	None
HDMO-751	Neg Amber	200mV	5VDC
HDMO-752	Neg Amber	2V	5VDC
HDMO-753	Neg Amber	20V	5VDC
HDMO-754	Neg Amber	200mV	24VDC
HDMO-761	Neg Green	200mV	5VDC
HDMO-762	Neg Green	2V	5VDC
HDMO-763	Neg Green	20V	VDC
HDMO-764	Neg Green	200mV	24VDC
HDMO-771	Neg Red	200mV	5VDC
HDMO-772	Neg Red	2V	5VDC
HDMO-773	Neg Red	20V	5VDC
HDMO-774	Neg Red	200mV	24VDC
HDMO-781	Pos Green	200mV	5VDC
HDMO-782	Pos Green	2V	5VDC
HDMO-783	Pos Green	20V	5VDC
HDMO-784	Pos Green	200mV	24VDC



Dimensions



Connection Description

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