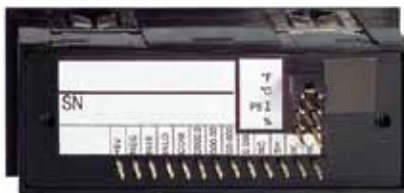




LCD Digital Panel Meters

Digital Meters

4½ Digit LCD



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: $1000\text{M}\Omega$ on $\pm 200\text{mV}$; ($1\text{M}\Omega$ on 2 V & 20 V range)
Bias Current: 1pA ($\pm 200\text{mV}$), 100pA (other ranges)

PERFORMANCE

Accuracy: $\pm (0.1\% \text{ fs} + 2 \text{ count})$
Conversion Rate: 3 per second
Normal Mode Rejection: $>30\text{ dB @ }60\text{ Hz}$
Common Mode Range: $\pm 1\text{ VDC max}$
Common Mode Rej.: $>86\text{ dB}$
Zero Adjustment: automatic
Warmup: 10 minutes typical
Temperature Coeff.: $\pm 100\text{ ppm per }^\circ\text{C typical}$

ENVIRONMENT

Operating Range: 0 to $50\text{ }^\circ\text{C}$
Storage Range: -20 to $70\text{ }^\circ\text{C}$

POWER SUPPLY

+5VDC $+5\text{ VDC}$ 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

Hoyt Electrical Instrument Works Inc.

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Page 1 of 3

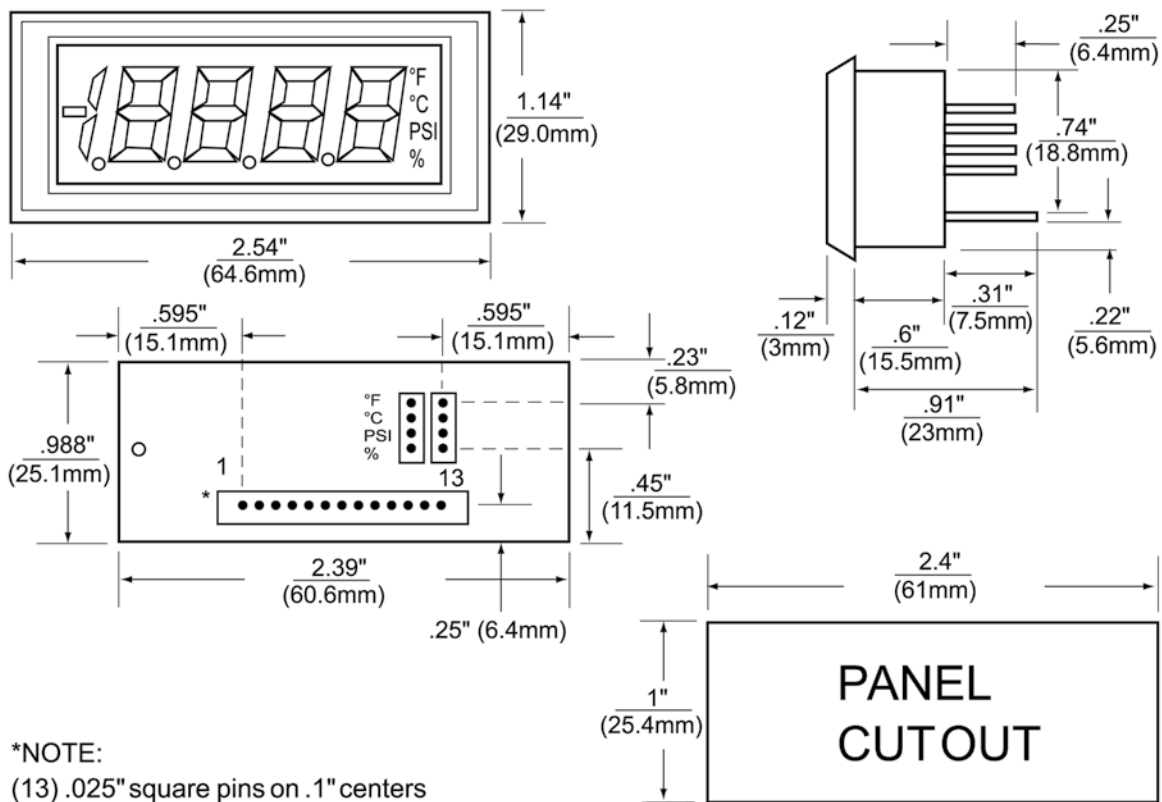


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DIMENSIONS



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



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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

HOW TO ORDER

PART NUMBER	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	5VDC
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

ACCESSORIES

HJ4C13	13 Pin connector / Wire Assembly
HPW2-5	Regulated 120V AC to 5V DC Power Supply
HPW2-24	Regulated 120V AC to 24V DC Power Supply
HCVC	Calibrator