



HDMO-3xx-XEC Series

3.5 Digit LED Panel Meter



3½ Digit LED Display for voltage inputs

Specifications

Display

Digits: 3 ½ digits (±1999 counts)
 Type: 7- segment LED (red or green)
 Digit Height: .56 in (14.2 mm)
 Polarity Indication: Automatic "-" for neg input
 Decimal Point: 3 position selectable
 Overrange: Three lower order digits blank for inputs >1999 & < -1999

Inputs

Configuration: bipolar, differential
 Full-Scale Input: ±200 mV, ±2 V, ±20 V
 Input Offset Adjustment: Auto zero
 Input Impedance: >100 MΩ (±200 mV),
 -1 MΩ (other ranges)

Common Mode Range: ±1 VDC
 Common Mode Rej: >86 dB
 Protection: ±350 VDC
 (±100 VDC for 200 mV range)
 Input Bias Current: 1 pA typical, 100 pA max
 Control Inputs: Decimal point select,
 span adjust trimpot

Performance

Sampling Rate: 3.3 readings / s
 Accuracy: ± (0.1% + 2 counts) typical
 ±(0.2% + 2 counts) max
 Warmup: 10 min
 Temperature Coeff.: ± 100 ppm per °C

Power Supply

Supply Voltage: +5 VDC ±5%
 Supply Current, typical: 200 mA

Environment

Operating Temperature: 0 to 50°C
 Storage Temperature: -10 to 60°C
 Relative Humidity: 0 to 95% non-condensing

Physical

Package Style: NEMA bezel mount
 Dimensions: 3.09 x 1.5 x .66"
 Panel Cutout: 2.83 x 1.26"
 Weight: 1.0 oz

Connection

Connector: 10 pin
 J1C-10 or C10-5 optional

Features

- Display hold function is standard.
- 3 1/2 digits with 0.56" Red or Green LED.
- 10" wire harness included.
- Gasket and clamp provided for NEMA4, NEMA12 & IP66 applications.
- User-selectable decimal points.

Ordering Information

Part #	Meter Color	Meter Power
HDMO-35G-XEC	GREEN	200mV DC
HDMO-36G-XEC	GREEN	2VDC
HDMO-37G-XEC	GREEN	20VDC
HDMO-35HR-XEC	RED	200mV DC
HDMO-36HR-XEC	RED	2V DC
HDMO-37HR-XEC	RED	20V DC

C10-5	5" - 10 Pin Connector / Wire Assembly
J1C10	12" - 10 Pin Connector / Wire Assembly
PW2-5	Regulated 120V AC to 5V DC Power Supply
PW1.0	24V AC to adjustable DC output
CPW1.5B	24V AC to adjustable DC output
CVC	Calibrator

Hoyt Electrical Instrument Works, Inc.

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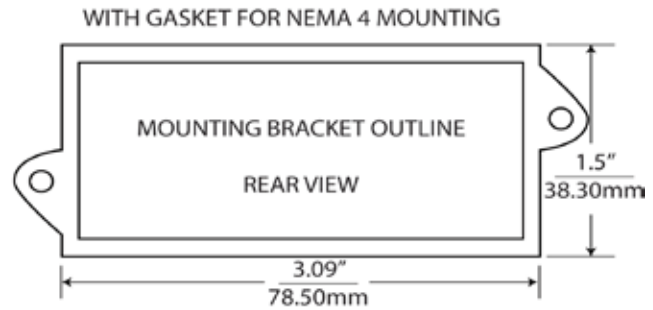
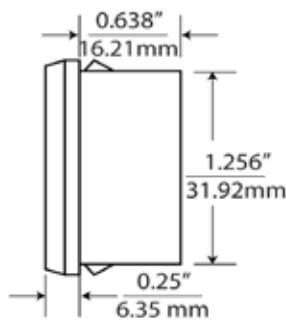
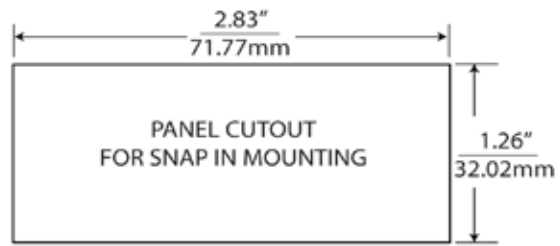
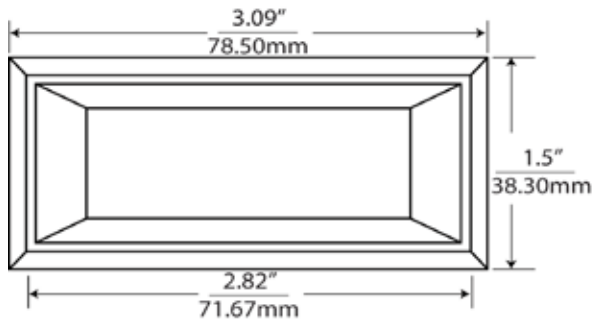
www.hoytmeter.com



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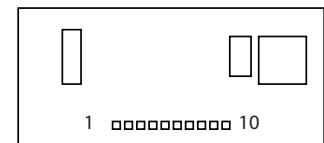
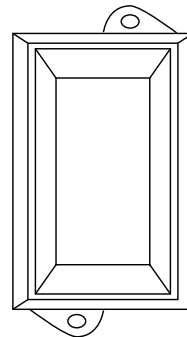
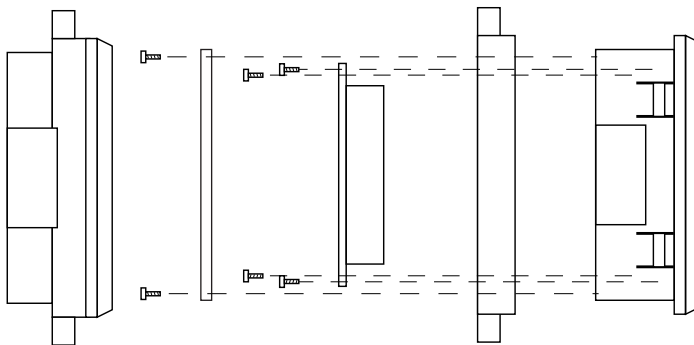
Dimensions



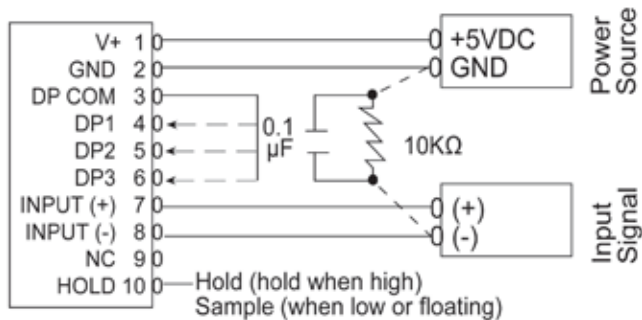
inches
mm

NOTES:

1. Panel thickness is: 0.032"/0.81mm to 0.25"/6.35mm
2. Gasket supplied is: 0.09"/2.25mm thick



Wiring & Calibration



Pin #	Pin Name	Description
1	V+	+5V power supply
2	GND	Power supply ground
3	DP COM	Decimal point return
4	DP1	1XX.X (connect to DP COM to turn on)
5	DP2	1X.XX (connect to DP COM to turn on)
6	DP3	1.XXX (connect to DP COM to turn on)
7	INPUT(+)	Positive input signal
8	INPUT(-)	Negative input signal
9	NC	No connection required
10	NC	No connection required