

Voltage Powered, 3 1/2 digit LCD
Digital Panel Meters Adjustable
Voltage Input



Description

The DPV-3 voltage-powered and controlled indicator features a large 1/2", 3-1/2 digit red, blue, amber, or green backlit LCD display. Also available in standard black on green. Powered by 12 or 24Vdc, it is compatible with virtually any 200mVdc, 5Vdc, or 10Vdc signal. User selectable "°F", "°C", "PSI", and "%" engineering units can be displayed. Separate zero and span adjustments. Decimal point user selectable. Factory calibration available.

Features

- Low-cost, high-performance replacement for many OEM DPMs
- Optional Red, Blue, Green or Amber backlighting
- Snap-in bezel mount eliminates mounting hardware
- Resistant to RF and EMI
- 3 1/2 digits with high-contrast LCD Display
- 12V or 24V DC Voltage powered
- User selectable, displayed engineering units

Specifications

Display:	Digits: 3 1/2 digits (±1999 counts)
Type:	0.45" (11.4 mm) 7 segment LCD
Backlighting*:	Optional Red Negative (red numbers/black background) Optional Blue Negative (blue 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:	3 position, user selectable
Overload:	Three lower order digits blank for inputs >1999 & <-1999
Inputs:	Ranges: 0-10V DC, 0-5V DC or 0-200mV DC
Configuration:	Single ended
Impedance:	390 Kohms min.
Performance:	Accuracy: ±(0.1% fs + 2 count)
Conversion Rate:	3 per second
Normal Mode Rejection:	>30 db @ 60 Hz
Adjustments:	20-turn potentiometers Span (gain) (10V and 5V inputs only) and Zero (offset)
Offset Range:	-1999 to +1999 counts
Gain Range:	1-2000 counts above adjusted zero
Warmup:	10 minutes typical
Temperature Coeff.:	± 100 ppm per °C typical
Environment:	Operating Range: 0 to 50 °C
Storage Range:	-10 to 60 °C
Power Supply:	12V DC or 24V DC regulated (selectable)
Optional Backlight:	24V DC at 35 mA typical
Mounting:	Snap-in Bezel mount
Connection:	4 screw terminals (6 with backlight)

*Negative backlighting is lit numerals
Positive backlighting is lit background

Dimensions

Width	2.54" (64.6 mm)
Height	1.14" (29.0 mm)
Depth	1.87" (47.5 mm)
Cutout	
Width	2.4" (61.0 mm)
Height	1.0" (25.4 mm)

Ordering Info

DPV-3	3 1/2 digit LCD, NO Backlight
DPV-3A	3 1/2 digit LCD, Amber Negative, 24 Vdc B/L power
DPV-3G	3 1/2 digit LCD, Green Negative, 24 Vdc B/L power
DPV-3R	3 1/2 digit LCD, Red Negative, 24 Vdc B/L power
DPV-3B	3 1/2 digit LCD, Blue Negative, 24 Vdc B/L power
APS-12	120V AC to 12V DC Power Supply
APS-24	120V AC to 24V DC Power Supply