

4 to 20 mA Loop Powered
4 1/2 Digit LCD Digital Panel Meters



Description

The DPL-4 provides a loop powered 4 1/2 digit LCD (standard black numerals) with optional 24V dc or 5V dc powered red, blue, amber, or green backlight. It is compatible with virtually any 4 to 20 mA dc process loop. Large 1/2" numerals. 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
- 4 1/2 digits LCD Display
- 4 to 20 mA loop powered input
- User selectable, displayed engineering units

Specifications

Display:			
Digits:	4 1/2 digits (±19999 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, %		
Decimal Points:	4 position, user selectable		
Overload:	Four lower order digits blank for inputs >19999 & <-19999		
Inputs:	Ranges: 4 to 20mA DC		
Impedance*:	300 ohms nominal		
Performance:	Accuracy: ±(0.1% fs + 2 count)		
Conversion Rate:	3 per second		
Normal Mode Rejection:	>30 db @ 60 Hz		
Adjustments:	Using 25-turn potentiometers Span (gain) and Zero (offset) with 3 coarse setting ZERO (offset) 0 to ±19999 counts SPAN (gain) 0 to 19999 counts above adjusted zero		
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:	Powered by the Milliamp Control Loop		
Optional Backlight:	24V DC at 35 mA typical 5V DC at 130 mA typical		
Mounting:	Snap-in Bezel mount		
Connection:	2 screw terminals (4 with backlight)		
*Impedance is rated at 20mA. Exercise caution to avoid too much impedance in the current loop. Most transmitters are rated 500 to 1000 ohms maximum.			
Negative backlighting is lighted numerals. Positive backlighting is lighted background.			

Dimensions

Width	2.54" (64.6 mm)	Cutout	
Height	1.14" (29 mm)	Width	2.4" (61 mm)
Depth	1.87" (47.5mm)	Height	1.0" (25.4 mm)

Ordering Info

- DPL-4 4 1/2 digit LCD, NO Backlight
- DPL-4A 4 1/2 digit LCD, Amber Negative, 24 Vdc B/L power
- DPL-4G 4 1/2 digit LCD, Green Negative, 24 Vdc B/L power
- DPL-4R 4 1/2 digit LCD, Red Negative, 24 Vdc B/L power
- DPL-4B 4 1/2 digit LCD, Blue Negative, 24 Vdc B/L power