

1/8 DIN Economical Process and Strain Gage Indicators

Accept Voltage, Current, and Millivolt Inputs

DP460 Series



- ✓ 3 Models Available
- ✓ Process Input with Excitation
- ✓ Strain Gage Input
- ✓ 0.02% Rdg Accuracy
- ✓ Dual-Alarm and Multichannel Input Options



DP460-V, shown actual size.



The DP460 is an economical DC indicator that can measure millivolts, voltage, or current. The DP460-V accepts voltage inputs to 10 Vdc or current to 20 mA. The DP460-E accepts the same ranges as the DP460-V, and also includes a 24 Vdc transducer power supply. For transducers with millivolt outputs, the DP460-S accepts up to 500 mV DC and provides 10 Vdc excitation.

Overload Protection: 1500 Vdc or Vac RMS, power lead to ground
Max Input: 250 Vac/dc, across (V+ to V-); 150 mA
Excitation: 24 Vdc @ 30 mA (DP460-E); 10 Vdc @ 30 mA (DP460-S)

Panel Cutout: 45 H x 92 mm W (1.77 x 3.62"); 1/8 DIN
Weight: 454 g (1 lb)
Power: 115/230 Vac ±10% switchable @ 50 to 60 Hz

Specifications

Accuracy: 0.02% rdg + 1 count
Input Impedance: 1 MΩ, voltage; 5 Ω, current
Span Temp Coefficient: ±0.01% rdg/°C
Zero Temp Coefficient: ±1 mV/°C
Display Range: -999 to 9999 counts
Operating Temperature: 5 to 45°C (41 to 113°F)
Display Type: 4-digit red LED
Storage Temperature: -40 to 65°C (-40 to 149°F)
Digit Height: 14.2 mm (0.56")
Relative Humidity: 80% RH max
Relay: 1 SPDT 0.5 A @ 120 Vac
Repeatability: ±1 count
CMRR: 120 dB @ 50/60 Hz, 250 Ω unbalanced
Dimensions: 40 H x 90 W x 136 mm D (1.57 x 3.54 x 5.35")
NMRR: 60 dB @ 50/60 Hz, with 250 Ω unbalanced

To Order

Model No.	Input Range	Excitation	Options
DP460-V	10 to 20 mA/0 to 10 Vdc	None	None
DP461-V	0 to 20 mA/0 to 10 Vdc	None	Single alarm
DP462-V*	0 to 20 mA/0 to 10 Vdc	None	Multi-input*
DP460-E	0 to 20 mA/0 to 10 Vdc	24 Vdc @ 30 mA	None
DP461-E	0 to 20 mA/0 to 10 Vdc	24 Vdc @ 30 mA	Single alarm
DP460-S	0 to 50/0 to 500 mVdc	10 Vdc @ 30 mA	None
DP461-S	0 to 50/0 to 500 mVdc	10 Vdc @ 30 mA	Single alarm

* Multichannel units require mating sensors of the exact same range and output, with zero and span adjustments.
 Each unit comes complete with self-adhesive front-panel labels for various engineering units and operator's manual.

Ordering Examples: DP461-V, voltage/current indicator with input range of 0 to 20 mA/0 to 10 Vdc.

DP460-E, voltage/current indicator with input range of 0 to 20 mA/0 to 10 Vdc, 24 Vdc 30 mA excitation.

Accessory

Model	Description
DPP-5	1/8 DIN panel punch