

1/8 DIN ECONOMICAL PROCESS AND STRAIN GAGE INDICATORS

ACCEPT VOLTAGE, CURRENT, AND MILLIVOLT INPUTS

DP460 Series

Starts at
\$265



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

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.

SPECIFICATIONS

Accuracy: 0.02% rdg + 1 count
Input Impedance: 1 M Ω , voltage; 5 Ω , current
Span Temp Coefficient: $\pm 0.01\%$ rdg/ $^{\circ}$ C
Zero Temp Coefficient: ± 1 mV/ $^{\circ}$ C
Display Range: -999 to 9999 counts
Operating Temperature: 5 to 45 $^{\circ}$ C (41 to 113 $^{\circ}$ F)
Display Type: 4-digit red LED
Storage Temperature: -40 to 65 $^{\circ}$ C (-40 to 149 $^{\circ}$ 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



DP460-V, \$265, shown actual size.

Panel Punches Available, Visit omega.com/panelpunches



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 $\pm 10\%$ switchable @ 50 to 60 Hz

Recommended Reference Book: Applied Structural and Mechanical Vibrations, CE-1910, \$180. See Section Y For Additional Books

MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)

MODEL NO.	PRICE	INPUT RANGE	EXCITATION	OPTIONS
DP460-V	\$265	10 to 20 mA/0 to 10 Vdc	None	None
DP461-V	365	0 to 20 mA/0 to 10 Vdc	None	Single alarm
DP462-V*	365	0 to 20 mA/0 to 10 Vdc	None	Multi-input*
DP460-E	295	0 to 20 mA/0 to 10 Vdc	24 Vdc @ 30 mA	None
DP461-E	395	0 to 20 mA/0 to 10 Vdc	24 Vdc @ 30 mA	Single alarm
DP460-S	315	0 to 50/0 to 500 mVdc	10 Vdc @ 30 mA	None
DP461-S	420	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, \$365.

DP460-E, voltage/current indicator with input range of 0 to 20 mA/0 to 10 Vdc, 24 Vdc 30 mA excitation, \$295.

ACCESSORY

MODEL NO.	PRICE	DESCRIPTION
DPP-5	\$525	1/8 DIN panel punch



UNITED STATES

www.omega.com
1-800-TC-OMEGA
Stamford, CT.

CANADA

www.omega.ca
Laval(Quebec)
1-800-TC-OMEGA

GERMANY

www.omega.de
Deckenpfronn, Germany
0800-8266342

UNITED KINGDOM

www.omega.co.uk
Manchester, England
0800-488-488

FRANCE

www.omega.fr
Guyancourt, France
088-466-342

CZECH REPUBLIC

www.omegaeng.cz
Karviná, Czech Republic
596-311-899

BENELUX

www.omega.nl
Amstelveen, NL
0800-099-33-44



More than 100,000 Products Available!

• Temperature

Calibrators, Connectors, General Test and Measurement Instruments, Glass Bulb Thermometers, Handheld Instruments for Temperature Measurement, Ice Point References, Indicating Labels, Crayons, Cements and Lacquers, Infrared Temperature Measurement Instruments, Recorders Relative Humidity Measurement Instruments, RTD Probes, Elements and Assemblies, Temperature & Process Meters, Timers and Counters, Temperature and Process Controllers and Power Switching Devices, Thermistor Elements, Probes and Assemblies, Thermocouples Thermowells and Head and Well Assemblies, Transmitters, Wire

• Flow and Level

Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

• pH and Conductivity

Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

• Data Acquisition

Auto-Dialers and Alarm Monitoring Systems, Communication Products and Converters, Data Acquisition and Analysis Software, Data Loggers Plug-in Cards, Signal Conditioners, USB, RS232, RS485 and Parallel Port Data Acquisition Systems, Wireless Transmitters and Receivers

• Pressure, Strain and Force

Displacement Transducers, Dynamic Measurement Force Sensors, Instrumentation for Pressure and Strain Measurements, Load Cells, Pressure Gauges, Pressure Reference Section, Pressure Switches, Pressure Transducers, Proximity Transducers, Regulators, Strain Gages, Torque Transducers, Valves

• Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters