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# ECONOMICAL STRAIN INDICATORS WITH BUILT-IN SENSOR EXCITATION



DP25 Series  
\$245

Shown Smaller  
Than Actual Size



- ✓ 4-Digit Display, -1999 to 9999 counts
- ✓ Excitation Supply, Front Panel Tare and Peak Hold Standard
- ✓ Accepts Voltage, Current or Millivolt Inputs
- ✓ Easily Scaled to Display Readings in Engineering Units

The OMEGA® DP25-S is a low cost digital panel meter for use with voltage, current or bridge-type transducers. For bridge sensors, the DP25-S has a ratiometric input to correct for variations in excitation voltage. Standard features include a front panel tare button and a peak hold feature. Options include dual 6 amp alarm relays and a scalable analog output configurable for 0 to 10 V or 4 to 20 mA.

## SPECIFICATIONS

**Accuracy (@ 25°C/77°F):** ±0.02% of reading  
**Operating Temp.:** 0 to 50°C (32 to 122°F)  
**Span Temp. Coefficient:** ± 50 ppm/°C  
**Storage Temperature:** -40 to 185°F (-40 to 85°C)  
**Relative Humidity:** 95% at 104°F (40°C) (non-condensing)  
**CMRR:** 120 dB  
**Common Mode Voltage:** 1500 V peak per HV test 354 V peak per IEC spacing  
**NMRR:** 60 dB  
**Display:** 4-digit, red LED, 0.56 in (14 mm) high  
**Display Range:** -1999 to 9999 counts

**Conversion Rate:** 3/second  
**Step Response:** 1-2 seconds  
**Relays:** Dual 250 Vac, 6 amp, SPDT  
**Analog Output:** Scalable 0 to 10 V or 4 to 20 mA

## POWER REQUIREMENTS

**Voltage:** 115 (std) or 230 Vac (optional) ±15%  
**Frequency:** 48 to 60 Hz  
**Power Consumption:** 6 watts maximum

## MECHANICAL SPECIFICATIONS

**Bezel:** (96 x 48 x 7 mm) (3.78 W x 1.89 H x .30 in D)  
**Panel Cutout:** (92 x 45 mm) (3.622 W x 1.772 in H)  
**Depth Behind Panel:** 5.6 in (142 mm)

## MOST POPULAR MODEL HIGHLIGHTED

### To Order (Specify Model Number)

MODEL NO.	PRICE	INPUT RANGES*	EXCITATION
DP25-S	245	0-100 mV, ±50 mV, 0-10V ±5V, 0-20mA, 4-20mA	24 V @ 25 mA or 12 V @ 50 mA 5 V @ 60 mA or 10 V @ 120 mA

\*Input ranges and excitation are user selectable.

**Ordering Example:** DP25-S-AR is a 115 Vac powered digital strain meter with analog and relay output options, \$245 + 80 + 70 = \$395.

## OPTIONS (NOT FIELD INSTALLABLE)

SUFFIX	PRICE	DESCRIPTION
-230	N/C	230 Vac power
-DC10/32	\$95	10 to 32 Vdc power
-DC26/32	120	26 to 56 Vdc power
-A	80	Scalable analog output
-R	70	Dual 6 amp alarm relays
-GN	n/c	Green Display

E-30



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**Flow and Level**

Flow Indicators, Doppler Flowmeters, Level Indicators, Magnetic Flowmeters, Mass Flowmeters, Rotameters, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

**Humidity and Conductivity**

Humidity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Instrumentation and Instruments, Water and Soil Analysis Instrumentation

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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

**• [click here to go to the omega.com home page](http://www.omega.com) •**



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