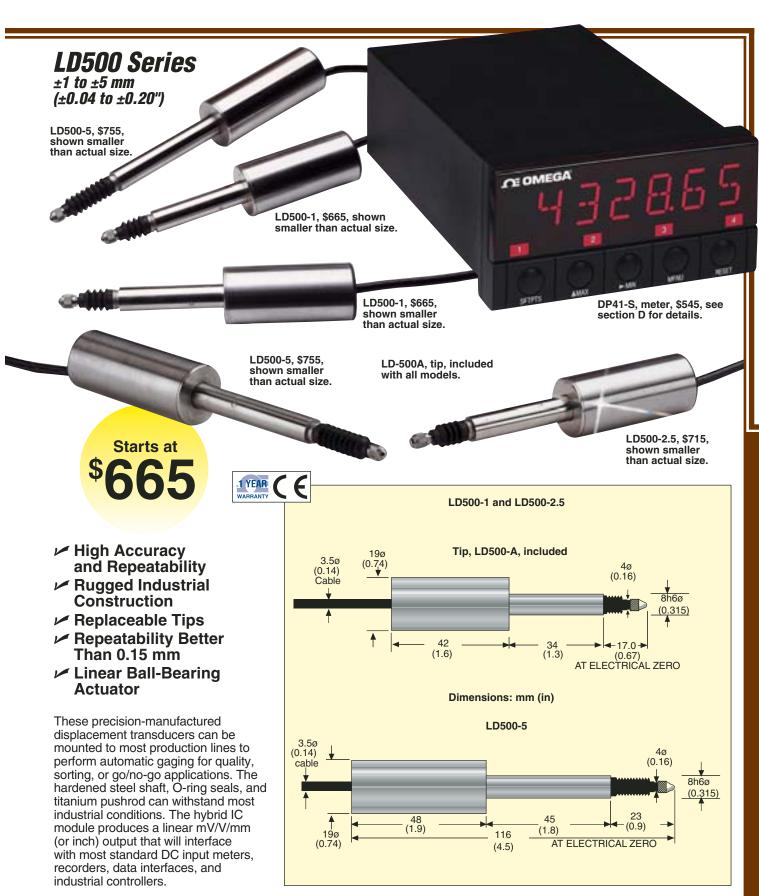
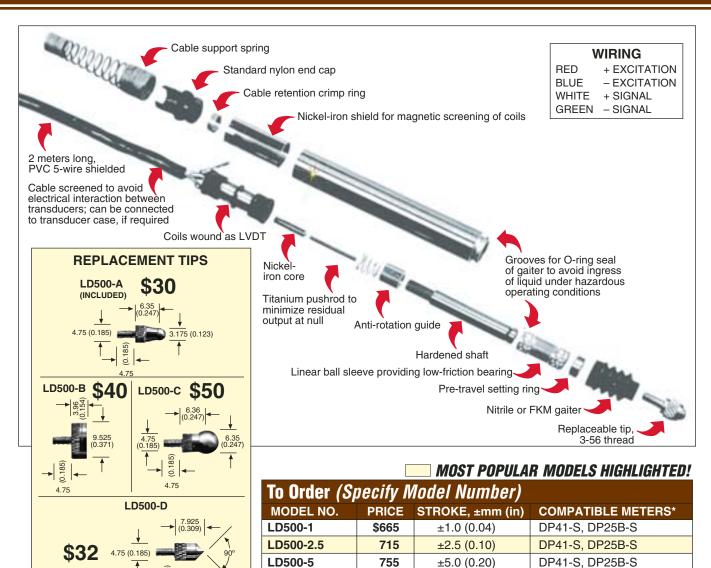
PRECISION DC GAGING TRANSDUCERS FOR QUALITY CONTROL OR AUTOMATION TOOLING



DC GAGING TRANSDUCERS



LD500-5 755 ± * See section D for compatible meters.

Ordering Example: LD500-2.5, DC gaging probe with a range of ±2.5 mm (0.10") and LD500-A tip included, \$715.

SPECIFICATIONS: MECHANICAL

Dimensions:

mm (in)

	LINEAR STROKE	SPRING		TEMPERATURE	TEMP COEFFICIENTS		
MODEL NO.	mm (in)*	RATE	REPEATABILITY	RANGE	ZERO	SENSITIVITY	LINEARITY
LD500-1	±1.0 (0.04)	13 g/mm	<0.15 μm (6 μin)	-20 to 80°C	<0.01%/°C	<0.01%/°C	0.25%
LD500-2.5	±2.5 (0.10)	13 g/mm	<0.15 μm (6 μin)	-20 to 80°C	<0.005%/°C	<0.01%/°C	0.25%
LD500-5	±5.0 (0.20)	10 g/mm	<0.10 μm (4 μin)	-20 to 80°C	<0.005%/°C	<0.01%/°C	0.25%

SPECIFICATIONS: ELECTRICAL

* Output nulls in mechanical middle.

MODEL NO.	CURRENT	INPUT VOLTAGE	OUTPUT RIPPLE (TYPICAL)	TIME	FREQUENCY RESPONSE	SENSITIVITY*	CABLE
LD500-1	10 mA	10 to 24 Vdc	<1% FS	1.5 ms	100 Hz for - 3 dB	78 mV/V/mm (1.98 mV/V/0.001 in)	2 m (6') long, PVC 5-wire shielded
LD500-2.5	10 mA	10 to 24 Vdc	<1% FS	1.5 ms	100 Hz for - 3 dB	78 mV/V/mm (1.98 mV/V/0.001 in)	2 m (6') long, PVC 5-wire shielded
LD500-5	13 mA	10 to 24 Vdc	<1% FS	1.5 ms	100 Hz for - 3 dB	56 mV/V/mm (1.98 mV/V/0.001 in)	2 m (6') long, PVC 5-wire shielded

omega.co.uk®

Your One-Stop Source for Process Measurement and Control!

www.omega.co.uk



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

Freephone 0800 488 488 | International +44(0) 161 777 6622 | Fax +44(0) 161 777 6622

www. omega.co.uk Manchester, England 0800-488-488 +44-(0)161-777-6611

FRANCE

www.omega.fr 0800-466-342

BENELUX

www.omega.nl 0800-099-33-44



Sales@omega.co.uk

More than 100,000 Products Available!

Temperature

Calibrators, Connectors, General Test and Measurement Instruments, Handheld Instruments for Temperature Measurement, Ice Point References, Indicating Labels, Crayons, Cements and Lacquers, Infrared Temperature Measurement Instruments, Recorders, Relative Humidity Measurement Instruments, PT100 Probes, PT100 Elements, 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, Thermocouple Wire, RTD Probes

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

Communication Products and Converters, Data Acquisition and Analysis Software, Data Loggers Plug-in Cards, Signal Conditioners, USB, RS232, RS485, Ehernet 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, Pressure Transmitters, Strain Gauges, 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