

PORTABLE PRESSURE INDICATORS INTERNAL OR REMOTE SENSORS FOR DIFFERENTIAL, GAGE, AND ABSOLUTE MEASUREMENT

DPI705 Series

Starts at
\$600



Carrying case included.



DPI705-010G, \$600, with internal sensor.

- ✓ High Accuracy: $\pm 0.1\%$ FS
- ✓ Ranges from 1 to 10,000 psi
- ✓ 16 Pressure Scales, Including User-Defined Scale
- ✓ Wet/Wet Models Available
- ✓ Rugged, Lightweight Design
- ✓ Displays Ambient Temperature in $^{\circ}\text{F}$ and $^{\circ}\text{C}$

Compact, durable, and lightweight, the DPI705 is designed for one-handed operation. Combined with a pneumatic or hydraulic pressure generator, the DPI705 is a simple, low-cost solution to the calibration requirements of quality-assurance programs. Key features include no warm-up time, 16 pressure units, 1-minute leak test function, zero, tare, min/max, alarm, filter, and ambient temperature measurement.

SPECIFICATIONS

Accuracy: $\pm 0.1\%$ FS (includes linearity, hysteresis and repeatability)

Calibrated Temp Range: 0 to 50°C (32 to 122°F)

Operating Temp Range: -9.5 to 50°C (15 to 122°F)

Temperature Performance:
Average 0 to 50°C (32 to 122°F)
 $\pm 0.006\%$ rdg/ $^{\circ}\text{C}$

Absolute Ranges ≤ 15 psi:
Add $\pm 0.014\%$ / $^{\circ}\text{C}$

Absolute Ranges > 15 psi:
Add $\pm 0.006\%$ / $^{\circ}\text{C}$

Humidity: 0 to 95% non-condensing

Proof Pressure: 2x FS
(display flashes at 110%)

Maximum Static Pressure:

Internal: 30 psi
Remote: 500 psi

Display: 13 mm (0.5") LCD with 99,999 max readout

Pressure Port: $\frac{1}{8}$ FNPT

Batteries: 3 "AA" (included); low-battery indicator and selectable auto-off

Battery Life: > 300 hr with alkaline

Case: NEMA 12 (IP54)

Weight: 500 g (17.6 oz)

Media Compatibility

Internal Sensor: Stainless steel—positive differential, non-corrosive liquids, and negative differential, clean, dry gas

Remote Sensor: Stainless steel—positive differential, non-corrosive liquids

Safety: EN61010, EN50081-1, EN50082-2, CE Marked

Dimensions: 191 H x 89 W x 36 mm D (7.5 x 3.5 x 1.4")

MOST POPULAR MODELS HIGHLIGHTED!

REMOTE SENSOR RANGE CODES			
RANGE	GAGE	ABSOLUTE	DIFFERENTIAL
5 psi	005G	—	—
10 psi	010G	—	—
15 psi	015G	—	—
30 psi	030G	030A	030D
50 psi	050G	050A	050D
100 psi	100G	100A	100D
150 psi	150G	150A	150D
300 psi	300G	300A	300D
500 psi	500G	500A	500D
1000 psi	1KG	1KA	—
2000 psi	—	2KA	—
3000 psi	—	3KA	—
5000 psi	—	5KA	—
10,000 psi	—	10KA	—

Units: psi, inHg, inH₂O (4 & 20°C), ftH₂O (4 & 20°C), mmHg, mmHg, mbar, bar, mH₂O, Pa, kPa, MPa, kg/cm², user defined.

To Order (Specify Model Number)

RANGE (psi)	MODEL NO.	PRICE	TYPE
± 1	DPI705-001D	\$665	Differential
± 3	DPI705-003D	665	Differential
0 to 10	DPI705-010G	600	Gage
± 15	DPI705-015D	665	Differential
0 to 30	DPI705-030G	600	Gage
0 to 30	DPI705-030A	695	Absolute
0 to 100	DPI705-100G	600	Gage
0 to 300	DPI705-300G	600	Gage
DPI705R Remote Sensor Models (Built to Order)			
See table	DPI705R-[*]	\$965	Gage or absolute remote sensor unit
See table	DPI705R-[*]	1030	Differential remote sensor unit

* Specify range code from chart at left.

Comes complete with padded carrying case, 3 "AA" batteries, operator's manual and calibration certificate.

Ordering Examples: DPI705-010G, internal sensor unit with range of 0 to 10 psig, \$600.

DPI705R-030D, remote sensor unit with range of ± 30 psi differential pressure, \$1030.

A

PRESSURE INSTRUMENTS



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