

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



DPI705 Series

Starts at
\$585



- Ranges from 1 to 10,000 psi
- High Accuracy: $\pm 0.1\%$ FS
- 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)

DPI705R-100G, \$950, remote sensor included, shown smaller than actual size.

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, mHg, mbar, bar, mH₂O, Pa, kPa, MPa, kg/cm², user defined.



DPI705-001D, \$649, with internal sensor, shown smaller than actual size.

To Order (Specify Model Number)

RANGE (psi)	MODEL NO.	PRICE	TYPE
± 1	DPI705-001D	\$649	Differential
± 3	DPI705-003D	649	Differential
0 to 10	DPI705-010G	585	Gage
± 15	DPI705-015D	649	Differential
0 to 30	DPI705-030G	585	Gage
0 to 30	DPI705-030A	680	Absolute
0 to 100	DPI705-100G	585	Gage
0 to 300	DPI705-300G	585	Gage
DPI705R Remote Sensor Models			
see table	DPI705R-[range]	\$950	Gage and absolute remote sensor
see table	DPI705R-[range]	1010	Differential remote sensor

Differential pressure ranges, \$1010. Fill in ranges from table 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, \$585.

DPI705R-015D, external sensor unit with range of ± 15 psi differential pressure, \$1010.

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PRESSURE INSTRUMENTS

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