

Product Data Sheet

Manufacturer : Druck

Model : DPI 705 Series

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The Druck DPI 705 Series of handheld pressure indicators combine tough and rugged design with accurate and reliable pressure measurement. New materials and technical innovations from over fifteen years experience with portable pressure testers has resulted in this advanced new product. Intrinsically safe (I.S.) versions are available certified to European and American standards for use in hazardous areas. Compact, robust and lightweight, the DPI 705 is designed for single handheld operation and provides many essential features required for routine maintenance and system troubleshooting.

The DPI 705 is ready for use anywhere, anytime...

- I.S. version for hazardous areas
- Impact resistant, sealed to IP54
- Clear high resolution LCD
- Carry case with belt loop
- Long battery life
- Integral desk stand and hanger



... and improves test efficiency...

- No warm up time
- 16 pressure units
- 1 minute leak test
- Dual pressure fitting - G 1/8 and hose
- Ambient temperature measurement

The calibration tools require to comply with quality assurance programs such as ISO9000 put ever increasing demands on maintenance budgets. The DPI 705, used in conjunction with pneumatic or hydraulic pressure generator, is simple, low cost solution complementing the wide range of Druck portable process calibrators.

Pressure units - mbar, bar, psi, mH₂O, inH₂O (4 and 20°C), ftH₂O (4 and 20°C), inHg, mmHg, mHg, Pa hPa, Kpa, Mpa, Kg/cm² and optional user defined scale.

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Leak test - a standard 60 second leak test.

Max/Min - captures both maximum and minimum readings.

Zero - zero pressure correction.

Tare - 0 to 100%FS zero offset capability.

Filter - a 10 reading rolling average for unstable pressures.

Alarm - adjustable high pressure alarm with visual and audible warning.

Ambient temperature - °C and °F reading of local condition (± 1.5 °C).

Calibration - used with the optional pneumatic or hydraulic test kits the DPI 705 becomes a low cost calibration tool for gauges and indicators.

Power management - low battery indicator and selectable 'Auto Off'.

The DPI 705 internal sensor version features a combined G1/8 (female)/6mm OD pressure. The DPI 705R remote sensor version includes a detachable 1m cable and sensor with G1/4 pressure connector.

Specifications

Sensor Option	Range mbar				Range Bar			
	70	200	350	700	1	2	3.5	7
Internal	D	D		G	D	G A		G
Ext.			G A D	G A D	G A D	G A D	G A D	G A D

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Sensor Option	Range Bar							
	10	20	35	70	135	200	350	700
Internal		G						
Ext.	G A D	G A D	G A D	G A D	G A D	G A D	G A	A

A = Absolute

D = Differential

G = Gauge

Accuracy = $\pm 0.1\%$ FS non-linearity, hysteresis and repeatability.

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