Druck DPI610E Series

Product comparison guide versus legacy and existing units

Built on a legacy

The iconic Druck is back. Retaining the iconic handle, the ease of use and the robust, reliable design of the Druck DPI600 series, the DPI610E is the flagship calibrator in the Druck Expert product range.

The DPI610E handheld pressure calibrator has been designed using the latest advances in pressure measurement technologies, combined with a range of much loved features from the legacy DPI605/610/615 units.

Designed by technicians, for technicians

The unit combines pressure generation, signal measurement and loop power with significantly improved pump capabilities and a powerful touch and button user interface. Including a 90+ hour battery life from 2 hour charge, and an internal barometer with barometer port for easy calibration, the DPI610E is an ideal solution to a range test and calibration applications.

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DPI610E vs. Druck range

	DPI705E	DPI1104	DPI802	DPI880	DPI611	DPI612	DPI620 Genii	DPI610E
Display channels (simultaneous)	1	1	2	2	3	3	6 (Genii commercial) & 6 (Genii-IS)	2
Self contained pressure generation	X	X	X	X	✓ −1 to 20 bar	✓ 0 to 1000 bar	✓ −1 to 1000 bar with PV62X base	✓ −1 to 35 bar 0 to 1000 bar
Pressure Sensor accuracy % FS	0.1 / 0.05 / 0.025% (−10 to 50°C)	0.05 (−10 to 50°C)	0.1 / 0.05% (10 to 30°C)	0.1 / 0.05% (10 to 30°C)	0.025% (10 to 30°C)	PM620 0.025% PM620T 0.0125% (0 to 50°C)	PM620 0.025% PM620T 0.0125% (0 to 50°C)	0.025% (−10 to 50°C)
Self contained pressure sensor	✓ Fixed 0.025 to 700 bar FS	✓ Fixed 0.7 to 1400 bar FS	✓ Fixed 0.025 to 700 bar FS	X	✓ Fixed −1 to 20 bar FS	Modular PM620 0.025 to 1000 bar PM620T 1.2bar to 100bar FS	via MC620 Modular PM620 0.025 to 1000 bar PM620T 1.2bar to 100bar FS	✓ Fixed 0.35 to 1000 bar FS
Remote pressure sensors	✓ PM700E 0.025 to 1400 bar	✓ IDOS	✓ IDOS	✓ IDOS	✓ IDOS & USB TERPS	✓ IDOS & USB TERPS	✓ IDOS & USB TERPS	✓ PM700E 0.025 to 1400 bar
Pressure measurement	✓	✓	✓	✓	✓	✓	✓ MC620 or PV62X base	✓
Pressure source*	X	X	X	X	✓	✓	✓ with PV62X base	✓
Loop measurement	X	X	✓	✓	✓	✓	✓	✓
Loop source	X	X	✓	✓	✓	✓	✓	✓
Frequency measure and source	X	X	X	✓	X	X	✓	X
Temperature measure	✓ Ext (optional RTD-INTERFACE)	X	X	✓ Internal - measures RTD & TCs	X	X	✓ Internal & optional RTD-INTERFACE	✓ Ext (optional RTD-INTERFACE)
Data logging	✓ (optional)	X	✓ (optional)	✓ (optional)	✓	✓	✓	✓
Compatible with 4Sight	X	X	X	X	✓	✓	✓	✓
Pass/Fail analysis	X	X	X	X	✓	✓	✓	✓
Hart, Fieldbus, Profibus options	X	X	✓ (resistor only)	✓ (resistor only)	X	X	✓	✓ HART only
Hazardous area (IS) version	✓	✓	X	X	X	X	✓	✓

* Note: Pressure source available through PV210/PV211/PV212 & PV411A for the DPI705, DPI1104, DPI802 and DPI880

DPI610E vs. legacy units

	DPI601	DPI605	DPI610	DPI610E
Display channels (simultaneous)	1	2	2	2
Self contained pressure generation	✓ −1 to 20 bar	✓ −1 to 20 bar	✓ −1 to 20 bar (Pneumatic) 0 to 400 bar (Hydraulic)	✓ −1 to 35 bar (Pneumatic) 0 to 1000 bar (Hydraulic)
Pressure Sensor accuracy % FS	0.05% FS NLHR	0.025% RDG NLHR	0.025% FS NLHR	0.025% FS total accuracy over 1 year, including temperature effects
Self contained pressure sensor	✓ Fixed −1 to 20 bar	✓ Fixed −1 to 20 bar	✓ Fixed 0 to 400 bar	✓ Fixed −1 to 1000 bar
Remote pressure sensors	X	✓	✓	✓ PM700E 0.025 to 1400 bar
Pressure measurement	✓	✓	✓	✓
Pressure source	✓	✓	✓	✓
Loop measurement	✓	✓	✓	✓
Loop source	X	✓	✓	✓
Temperature measure	X	✓ Ext (Optional PT100 Probe)	X	✓ Ext (optional RTD-INTERFACE)
Data logging	X	X	✓	✓
Compatible with 4Sight	X	X	X	✓
Pass/Fail analysis	X	X	X	✓
Hart, Fieldbus, Profibus options	X	X	X	✓ (Hart only)
Hazardous area (IS) version	✓	✓	✓	✓
Operating temperature	0 to 40°C	−10 to 40°C	−10 to 40°C	−10 to 50°C

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