



Industrial Range

MODEL

PPS42



- ▶ Pneumatic integral pressure generation vacuum to 40bar
- ▶ Hydraulic integral pressure generation to 700bar
- ▶ Up to two user selectable integral sensors

Portable Pressure Calibrator

- ▶ Easy to use menu with soft-key operation
- ▶ Accuracy to 0.025% for up to 12 months
- ▶ Windows-based user software as standard

 DH·Budenberg
The Pressure Reference

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PHYSICAL SPECIFICATIONS

Rechargeable battery operation, supplied with battery charger. Typical operation of battery 10 hours.

Large (60mm x 44mm) graphic LCD with backlight.

5kg, 400mm x 250mm x 190mm ABS enclosure. Sealing IP65.

Operating temperature 0 to 40°C, Humidity 90% non condensing.

SPECIFICATION

Pressure Range (bar)	Media	Accuracy* % fsd	Resolution mbar
Vac** to 2.5	Pneumatic	0.025	0.01
Vac** to 7	Pneumatic	0.025	0.01
Vac** to 10	Pneumatic	0.025	0.1
Vac** to 20	Pneumatic	0.025	0.1
Vac** to 40	Pneumatic	0.025	0.1
0 to 100	Hydraulic	0.025	1
0 to 250	Hydraulic	0.025	1
0 to 400	Hydraulic	0.025	1
0 to 700	Hydraulic	0.05	1

* Accuracy includes, Linearity, Hysteresis, Repeatability and temperature compensation. ** Accuracy on vacuum part of the range is 0.005 bar

ELECTRICAL OUTPUTS

Output	Accuracy	Limits	Notes
24V	+/-10%	25mA max	Transmitter Supply only
10V	+/-1%	10mA max	Transducer Supply only

PPS42 SERIES PORTABLE PRESSURE CALIBRATOR

OPERATING FEATURES

TWO SELECTABLE SENSORS. The PPS42 allows the user the option of selecting either one or two integral pressure ranges at the time of purchase. This flexibility is enhanced in that one range can be hydraulic, whilst the other can be pneumatic (alternatively, both may either be hydraulic or pneumatic). If both ranges use the same medium, pressure generation is also integral.

RESOLUTION. User selectable between 3 and 6 digits

DAMPING. User selectable up to 5 seconds.

PRESSURE UNITS. 11 Pre-programmed units, plus one user-defined unit available.

INTERNAL MEMORY. 128kB.

PRESSURE CALIBRATION. Including full alphanumeric test, instrument and user i.d., with full time and date stamping as standard.

PRESSURE GENERATION. Hydraulic pressure generation available in 3 ranges for improved fine control, 200/400/700bar.

DATA LOGGING. The PPS42 may be used as an automatic data-logger for test running up to 100 hours.

SOFTWARE. Windows based automatic calibration software supplied as standard.

PEAK. Integral peak-hold facility.

HOLD. Integral 'freeze-frame' facility.

TARE. Integral tare facility for pressure.

LEAK. The leak test function calculates leak rates over a user defined period, and records the pressure change.

BACKLIGHT. Integral user-selectable backlight.

THE PPS42 FAMILY

The PPS42 family is the latest offering from DH-Budenberg's range of portable electronic pressure calibrators. The PPS42 includes pressure calibration, leak testing, pressure and data logging, together with the option of two integral sensors allowing for calibration in both pneumatic and hydraulic mediums using just one calibrator.

Complete with an IP65 case, re-chargeable batteries and Windows based software as standard, the PPS42 is a truly portable all-round mini calibration laboratory.

For further information on Accessories, Repairs & Recertification contact DH-Budenberg and ask for a Data sheet.



Calibration Dynamics Ltd
7 Regents Court
South Way
Walworth Industrial Estate
Andover
Hampshire SP10 5NX

TELEPHONE
+44 (0) 1264 339030
FAX
+44 (0) 1264 339040

WEBSITE
<http://www.calibrationdynamics.com>
EMAIL
sales@calibrationdynamics.com