

INDUSTRIAL RANGE



PPG52

Portable Pneumatic Calibrator with Pressure Generation

The Model PPG52 is designed for accurate, fast and hassle free on-site pressure calibration.

The DH-Budenberg PPG Calibrator with built in pressure generation and power supply. The internal pressure generation can provide pressures from vacuum to 40 bar which means that manual pumping or gas cylinders are no longer required. The power is supplied by an internal battery pack providing 8 hours of operation. All this means the unit is completely self contained.

- Vacuum to 4 Mpa, 40 bar or 580 psi.
- Includes internal vacuum pump / internal pressure generator.
- Accuracy up to $\pm 0.01\%$
- Precise pressure control within ± 0.1 kPa
- Optional electrical inputs
- Simple and easy to operate.
- Improves the speed and ease of calibrations.



DH-Budenberg
The Pressure Reference

INDUSTRIAL RANGE

Model

PPG52

Portable Pneumatic Calibrator with Pressure Generation

Technical Specification

Standard accuracy
0.01%, 0.025%
or 0.05%

Resolution
5 or 6 digits

Engineering Units
MPa, kPa, Bar,
kg/cm² & psi

Generation time
7 bar < 35 secs
20 bar < 2 mins
35 bar < 3 mins

Control Stability
< ± 0.1 kPa

Temperature
Compensation
0 – 50 deg C



DH-Budenberg

The Pressure Reference

Pressure Specifications

| Range | Accuracies available % Full Scale | | |
|-------------|---------------------------------------------------------|----------|----------|
| | 0.05% | 0.025% | 0.01% |
| 0 to 1 bar | yes | yes | yes |
| 0 to 2 bar | yes | yes | yes |
| 0 to 7 bar | yes | yes | yes |
| 0 to 20 bar | yes | yes | yes |
| 0 to 35 bar | yes | yes | yes |
| 0 to 40 bar | yes | yes | yes |
| Vacuum | -0.9 bar - Option on all ranges - accuracy ±0.25% of FS | | |
| Display | 5 Digits | 6 Digits | 6 Digits |



Optional Electrical Inputs

| | Range | Accuracy |
|---------------------------|-------------|-----------|
| Milliamp (24 Vdc loop) | 0 – 24mA | 0.015% FS |
| Voltage | 0 – 30 Volt | 0.025% FS |

Standard Accessories

Traceable Calibration Certificate
Operators Manual
1 x 1m connecting hose
Adapters 1/4", 3/8" & 1/2" BSP or NPT
1 year return to base Warranty

Contact Information

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Physical Specification

Pressure Generation
by stepper motor and
screwpress

Internal Battery Pack
provides 8 hours
operation

Internal or External
sensors, 1 or 2 ranges

Warm up time
5 mins

Communication
via RS232

Optional Calibration
Software

Rugged IP65 Case
400 x 330 x 170 mm

Weight 10 kg

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