

# Pressure References with Gauge Design

For mobile and stationary calibration applications, pressure ranges  
–200 / +200 mbar to 0 – 1000 bar, accuracy  $\leq \pm 0.05\%$  or  $\leq \pm 0.02\%$

**DPG 2600 A**  
**DPG 2600 A+**

## Application

The digital pressure gauge DPG 2600 has been developed for the calibration of pressure transmitters, pressure gauges and pressure switches.

The DPG 2600 is available in two versions:

- all-rounder DPG 2600 A  
with a measurement uncertainty of  $\leq \pm 0.05\%$  FS
- all-rounder+ DPG 2600 A+  
with a measurement uncertainty of  $\leq \pm 0.02\%$  FS

The digital pressure gauge DPG 2600 is based on the latest microprocessor technology and is one of the most advanced portable digital precision pressure gauges in terms of accuracy and functionality. The polynomial based temperature and pressure compensation ensures highest accuracy in every situation, even in harsh environments.

## Construction

- Pressure ranges from –200 / +200 mbar up to 0 – 1000 bar
- Optional barometric reference (required for the change of absolute pressure  $\leftrightarrow$  gauge pressure)
- DPG 2600 A with  $\leq \pm 0.05\%$  FS for general calibration applications
- DPG 2600 A+ with  $\leq \pm 0.02\%$  FS can also be used for the control of inspection, measuring and test equipment
- Fully temperature-compensated from –10 °C to +50 °C (14 °F to 122 °F)
- Large LC display with many additional indications
- RS-232 connection
- Supply either via 4 NiMH batteries or via the included mains adapter; the batteries are charged during mains operation

## Standard Versions

### Process Connection

Material: stainless steel 316L  
Connection thread: 1/2" BSP

### Communication

Interface: RS-232

### Case

Stainless steel 304 (1.4301)

### Pressure Ranges

Available as overpressure, compound pressure or absolute pressure from –200 / +200 mbar up to 0 – 1000 bar

### Pressure Units

mbar, bar, Pa, hPa, kPa, MPa, kg/cm<sup>2</sup>, kg/m<sup>2</sup>, mmHg, cmHg, mHg, mmH<sub>2</sub>O, cmH<sub>2</sub>O, mH<sub>2</sub>O, torr, atm, psi, inHg, inH<sub>2</sub>O, ftH<sub>2</sub>O

### Settings

- Background lighting
- Display contrast
- Hold function for a specific pressure value
- Zero adjustment
- Filter settings
- Automatic switchoff

### Continuous Additional Indications

- Min/max pressure value
- Leakage rate/stability
- Battery charging indicator (%)
- Bicolour LED for the charging status



## Storage Temperature

–20 °C to +70 °C (–4 °F to +158 °F)  
Humidity < 95 % non-condensing

## Dimensional Data

Nominal size: Ø 129 mm (5.08")  
Front-to-back-size: 47 mm (1.85")  
Weight: 0.5 kg (1.1 lb)

## Options

- Other compound ranges
- Male threads 1/2" NPT, 1/4" NPT, 1/4" BSP and M20x1.5
- Flexible hose line
- Data cable
- EA compliant calibration certificate DAkkS
- 0...25 mA current input with 0.02 % of the measured value + 2 µA for the direct evaluation of pressure measuring instruments with current output e.g. 4...20 mA
- Barometric reference for DPG 2600 A / A+  
600 – 1200 mbar abs. with 0.02 % FS

## Accessory

- BHP 40, BHP 700 for mobile pressure generation  
(more test pumps see model overview 10000)

## Scope of Delivery

- DPG 2600
- Calibration certificate
- Operating instruction
- Mains adapter 230 V AC – 9 V DC at 500 mA
- 4 NiMH batteries

## Ordering Information

Please specify in your order:

**Basic model** DPG 2600 A or DPG 2600 A+  
**Process connection** 1/2" BSP  
**Pressure range** e.g. 0 – 1000 bar

**Example:** DPG 2600 A, 1/2" BSP, 0 – 1000 bar