

# PPCH-G

## High pressure gas controller



- **High precision of reading**
- **For use in laboratory and industry**
- **from 10 bar up to 1000 bar**
- **Auto-Range<sup>®</sup> - function to adapt perfectly to the device under test**
- **Fully automated up to the printout of a calibration certificate manual use also possible**
- **Excellent long term stability**

*By DAkkS according to DIN EN ISO / IEC 17025: 2005 accredited laboratory.  
The accreditation is valid only for the certificate system D-K-15055-01-00  
listed accreditation scope.*



## PPCH-G is more than a Pressure-Controller

---

PPCH-G is an outstanding calibrator with an integrated, highly accurate transducer. PPCH-G is suitable for modern calibration devices, as well as the demanding laboratory.

### Transfer-gauge

---

The transducer of the PPCH-G measures pressure by measuring the change in the natural oscillating frequency of a quartz crystal with pressure induced stress and has a measurement uncertainty of up to **± 0,013% of reading** (AutoRange Funktion). The transducer of PPCH-G is temperature-compensated. This allows the PPCH-G to be used under various environmental conditions.

### Pressure-Controller

---

The pressure can be controlled by front panel or Software. The PPCH-G has a RS 232 - and a IEEE 488.2 – interface. The Software „COMPASS for Pressure“ (Option) is able to maintain half- and fully automated calibration processes inclusive printing a calibration certificate.

### Pressure ranges

---

Each PPCH-G is available with one or two sensors (Q-RPT). The measurement uncertainty of each sensor can be recalibrated to a national standard with the help of a calibration certificate. The pressure ranges of the PPCH-G are gauge and absolute. The following sensors (Q-RPT) are available:

|        |                  |                          |
|--------|------------------|--------------------------|
| A100M: | 100 MPa absolute | 100 MPa (1000 bar) gauge |
| A70M:  | 70 MPa absolute  | 70 MPa (700 bar) gauge   |
| A40M:  | 40 MPa absolute  | 40 MPa (400 bar) gauge   |
| A20M:  | 20 MPa absolute  | 20 MPa (200 bar) gauge   |
| A14M:  | 14 MPa absolute  | 14 MPa (140 bar) gauge   |
| A10M:  | 10 MPa absolute  | 10 MPa (100 bar) gauge   |