

PG7000

Reference dead-weight tester



- **High Accuracy.**
- **Pressure Range: Gas to 1100 bar, Oil to 5000 bar.**
- **absolute, negative and gauge.**
- **Pressure can be read off at the terminal**
- **Possibility of fully automated**
- **For lab and industries**

By DAkkS accredited laboratory according to DIN EN ISO / IEC 17025: 2018. The accreditation is valid only for the quantities listed in the accreditation scope. (Our Laboratory number is D-K-15055-01-00).

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Pressure • Electrical Quantities • Temperature • Flow • Humidity • Masses and Scales

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Technical specifications

Maximum pressure Range:

(The real pressure range depends on choice of mass set and the piston.)

PG7601 gauge pressure: 5.5 kPa to 7600 kPa absolute pressure: 5.5 kPa to 7600 kPa

negative pressure: -100 kPa to 380 kPa

PG7102 gauge pressure: 10 kPa to 12000 kPa

PG7302 gauge pressure: 110 kPa to 72500 psi

Service medium:

PG7601 gas: air, helium, nitrogen

PG7102 gas: air, helium, nitrogen

PG7302 oil: Di2-Ehyl Hexyl Sebacate

Maximum mass set:

PG7601 35 kg

PG7102 55 kg

PG7302 100 kg

Piston-cylinder-module:

PG7102/PG7601 (35 kg):

PC-7100/7600-10, TC (10 kPa/kg)

measurement uncertainty $\pm(0.002 \text{ hPa} + 0.002\% \text{ of rdg.})$

PC-7100/7600-50 (50 kPa/kg)

measurement uncertainty $\pm(0.005 \text{ hPa} + 0.0025\% \text{ of rdg.})$

PC-7100/7600-200 (200 kPa/kg)

measurement uncertainty $\pm(0.02 \text{ hPa} + 0.003\% \text{ of rdg.})$

PG7302 (max. 100 kg):

PC-7300-100 (100 kPa/kg)

measurement uncertainty $\pm(0.2 \text{ hPa} + 0.0025\% \text{ of rdg.})$

PC-7300-200 (200 kPa/kg)

measurement uncertainty $\pm(0.2 \text{ hPa} + 0.0028\% \text{ of rdg.})$

PC-7300-500 (500 kPa/kg)

measurement uncertainty $\pm(0.25 \text{ hPa} + 0.003\% \text{ of rdg.})$

PC-7300-2 (2000 kPa/kg)

measurement uncertainty $\pm(0.5 \text{ hPa} + 0.004\% \text{ of rdg.})$

PC-7300-5 (5000 kPa/kg)

measurement uncertainty $\pm(1 \text{ hPa} + 0.005\% \text{ of rdg.})$