Data sheet
testo 511

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Absolute pressure measuring instrument

testo 511 – Pocket-sized absolute pressure measurement

hPa

Illustration 1:1

- Highly accurate absolute pressure measurement to ±3 hPa
- Barometric altitude measurement
- Calculation of barometric air pressure
- 8 available pressure units
- Display illumination

testo 511 measures absolute pressure to an accuracy of ±3 hPa. The measuring instrument is ideal for absolute pressure compensation during flow velocity measurements with a Pitot tube, for example. By entering the altitude above sea level, this is converted into barometric air pressure. In addition to this, a barometric pressure measurement between two points is also possible. The eight switchable pressure units offer the user highest flexibility in measurement.

The clip-on protective cap, wrist strap and belt holder ensure safekeeping of the instrument. testo 511 is very handy, small and easy to use.

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Technical data / Accessories

testo 511

testo 511 handy measuring instrument for absolutepressure incl. protection cap, batteries, belt holder and calibration protocol

Part no. 0560 0511

Sensor type	**Absolute pressure probe**
Measuring range	300 to 1200 hPa
Accuracy ±1 digit	±3.0 hPa
Resolution	0.1 hPa

General technical data

Selectable units	hPa, mbar, Pa, mmH2O, mmHg, inH2O, inHg, psi, m, ft
Measurement rate	0.5 s
Storage temperature	-40 to +70 °C
Operating temperature	0 to +50 °C
Battery type	2 AAA micro batteries
Battery life	200 h (average, without display illumination)
Protection class	IP40
Weight	90 g (with batteries and protective cap)
Dimensions	119 x 46 x 25 mm (incl. protective cap)

Accessories	**Part no.**	
Accessories for measuring instrument		
Connection hose, silicone, 2 m long, max. load 700 hPa (mbar)	0554 0448	
Belt holder	0516 4007	
ISO calibration certificate relative pressure, 3 measurement points distributed over the measurement range	0520 0085	
ISO calibration certificate pressure, accuracy 0.1 to 0.6 (% of fsv), 5 points distributed over meas. range	0520 0025	

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