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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