

Absolute pressure measuring instrument

testo 511 – Pocket-sized absolute pressure measurement

Highly accurate absolute pressure measurement to ± 3 hPa

Barometric altitude measurement

Calculation of barometric air pressure

8 available pressure units

Display illumination



Illustration 1:1

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.

Technical data / Accessories

testo 511

testo 511 handy measuring instrument for absolute pressure 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, mmH ₂ O, mmHg, inH ₂ O, 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 | |