

# Absolute pressure measuring instrument

## testo 511 – Pocket-sized absolute pressure measurement

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Highly accurate absolute pressure measurement to  $\pm 3$  hPa

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Barometric altitude measurement

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Calculation of barometric air pressure

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8 available pressure units

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Display illumination

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Illustration 1:1

testo 511 measures absolute pressure to an accuracy of  $\pm 3$  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<br>±1 digit | ±3.0 hPa        |
| Resolution           | 0.1 hPa         |

#### General technical data

|                       |   |
|-----------------------|---|
| Selectable units      | hPa, mbar, Pa, mmH <sub>2</sub> O, mmHg, inH <sub>2</sub> 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)                                       |
| Warranty              | 2 years   |

#### 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, differential pressure, accuracy 0.1 to 0.6 (% of fsv)                | 0520 0025 |  |