

Measures differential pressure 0 to 100 hPa – Practical and robust

testo 510

Differential pressure measurement in testo 510 is temperature-compensated for accurate readings. They can be displayed in Pascal over the whole measurement range. Magnets on the back of the instrument allow you to work hands-free. When used with a Pitot tube, testo 510 measures air speed. Air density can be compensated to give accurate readings.

- Flow velocity measurement with Pitot tube (Pitot tube not included in delivery)
- Backlit display
- Selectable units: hPa, mbar, Pa, mmH₂O, inH₂O, inHg, mmHg, psi, m/s, fpm

testo 510

testo 510; differential pressure meter incl. protective cap, batteries and calibration protocol

Part no. 0560 0510

Accessories Ordering data	Part no.
Hose set: Connection hose, silicone, 2 m long, max. load 700 hPa (mbar)	0554 0448
Pitot tube, 350 mm long, stainless steel, measures flow speed	0635 2145
Pitot tube, 500 mm long, stainless steel, measures flow speed	0635 2045
ISO calibration certificate/Pressure, Differential pressure; 3 points distributed over meas. range	0520 0095
ISO calibration certificate/pressure, differential pressure; 5 points distributed over meas. range	0520 0005



Included: belt case, wrist strap, protective cap and calibration protocol



Differential pressure measurement on filters

Technical data

Probe type	Differential pressure probe
Meas. range	0 to 100 hPa
Accuracy ±1 digit	±0.03 hPa (0 to 0.30 hPa) ±0.05 hPa (0.31 to 1.00 hPa) ±(0.1 hPa + 1.5 % of mv) (1.01 to 100 hPa)
Resolution	0.01 hPa
Oper. temp.	0 to +50 °C
Battery type	2 batteries Type AAA
Battery life	50 h (average, without display illumination)
Dimensions	119 x 46 x 25 mm (incl. protective cap)

Absolute pressure and barometric elevation measurement – Practical and accurate

testo 511

testo 511 measures absolute pressure with an accuracy of +/-3 hPa. It is then converted to barometric air pressure by entering on-site height above sea level.

Barometric elevation measurement between two points is also possible.

- Measures absolute pressure, e.g. for absolute pressure compensation in flow velocity measurements with a Pitot tube
- Backlit display
- Selectable units: hPa, mbar, Pa, mmH₂O, mmHg, inH₂O, inHg, psi, m, ft

testo 511

testo 511; absolute pressure meter incl. protective cap, batteries and calibration certificate

Part no. 0560 0511

Accessories Ordering data	Part no.
Hose set: Connection hose, silicone, 2 m long, max. load 700 hPa (mbar)	0554 0448
ISO calibration certificate/absolute pressure, 3 meas. points distributed over meas. range	0520 0185
ISO calibration certificate/absolute pressure, 5 measurement points distributed over meas. range	0520 0125



Included: belt case, wrist strap, protective cap and calibration protocol



Absolute pressure measurement to determine absolute pressure compensation when measuring flow with a Pitot tube

Technical data

Probe type	Absolute pressure probe
Meas. range	300 to 1200 hPa
Accuracy ±1 digit	±3.0 hPa
Resolution	0.1 hPa
Oper. temp.	0 to +50 °C
Battery type	2 batteries Type AAA
Battery life	200 h (average, without display illumination)
Dimensions	119 x 46 x 25 mm (incl. protective cap)