Data sheet
testo 510i

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Differential pressure gauge operated with smartphone

testo 510i

hPa

m/s

- Compact professional measuring instrument from the Testo Smart Probes series, for use with smartphones/tablets
- Measurement of gas flow and static pressure, as well as volume flow
- Measurement menu for pressure-drop test incl. alarms
- Easy configuration and determination of the volume flow
- Measurement data analyzed and sent via testo Smart Probes App
- Magnetic fixture for better attachment
- Space-saving and easy to transport

Bluetooth + App

testo Smart Probes App for free download

Google play | Available on the App Store

The differential pressure gauge testo 510i, in combination with a smartphone or tablet, is suitable for measurements of gas flow and static pressure, pressure drops on ventilators and filters, and for pressure-drop tests on gas pipes. In addition to this, the compact measuring instrument can be used for determining air flow velocity and volume flow. Via the testo Smart Probes App installed on the end device, users can comfortably read off their measurement values, configure volume flow measurements quickly and easily, and reliably determine timed and multi-point mean values. The App also includes a measurement menu for the pressure-drop test incl. alarm. All measurement data can be presented either as a diagram or in tabular form. The measurement protocols can then be directly sent as PDF or Excel files.

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Technical data/accessories

testo 510i

testo 510i, differential pressure gauge operated with smartphone, incl. hose set (Ø 4 mm and 5 mm) with adapter, batteries and calibration protocol

Order no. 0560 1510

testo Smart Probes App
The App turns your smartphone/tablet into the display of the testo 510i. The operation of the measuring instrument as well as the display of the measurement values take place by Bluetooth via the Testo Smart Probes App on your smartphone or tablet – independently of the measurement location. In addition to this, you can use the App to create measurement reports, add photos and comments to these, and send them by e-mail. For iOS and Android.

Sensor type	Pressure
Measuring range	-150 to 150 hPa
Accuracy ±1 digit	±0.05 hPa (0 to 1 hPa) ±(0.2 hPa + 1.5 % of m.v.) (1 to 150 hPa)
Resolution	0.01 hPa

General technical data

Compatability	requires iOS 8.3 or newer / Android 4.3 or newer
	requires mobile end device with Bluetooth 4.0
Storage temperature	-20 to +60 °C
Operating temperature	-20 to +50 °C
Battery type	3 micro batteries AAA
Battery life	150 hrs
Dimensions	148 x 36 x 23 mm

Accessories	Order no.	
testo Smart Case (VAC) for the storage and transport of testo 405i, testo 410i, testo 510i, testo 605i, testo 805i and testo 905i, dimensions 270 x 190 x 60 mm	0516 0260	
ISO calibration certificate pressure, accuracy > 0.6 % of final value	0520 0005	

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Subject to change without notice.