

# Differential pressure measuring instrument

testo 512 – Digital differential pressure measuring instrument with App connection

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testo 512-1 with position-independent differential pressure sensor with high accuracy up to 200 hPa for checking filters and for Pitot tube measurement in the ventilation duct, incl. volume flow calculation in measuring instrument and App

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testo 512-2 with a large measuring range up to 2000 hPa

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Fast in-app (duct) configuration, graph history, second screen and measurement data memory in the testo Smart App

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Audible alarm sounds if a limit value is exceeded

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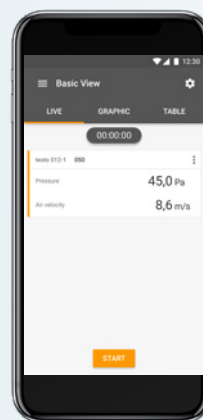
Durability through compact design with robust housing

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- hPa
- mbar
- Pa
- kPa
- inHg
- inH<sub>2</sub>O
- mmHg
- mmH<sub>2</sub>O
- psi
- m/s\*
- m<sup>3</sup>/h\*

\* testo 512-1 only



Bluetooth 5.0 + App

testo Smart App for free download



Differential pressure measurement fast, easy and precise: This is what the testo 512-1 and testo 512-2 measuring instruments stand for. The two models differ in their measuring range: testo 512-1 measures up to 200 hPa, testo 512-2 up to 2000 hPa.

In practical use, they convince with their flexibility and variety of applications. **Checking the gas pressure on burners** by measuring gas flow pressure and static gas pressure is just as quick and precise as **checking filters** and **Pitot tube measurement** in the ventilation duct.

The position-independent differential pressure sensor ensures reliable and highly accurate measurement results in both instruments. The testo Smart App for smartphones and tablets supports you with these functions:


- Configure measuring instrument
- Display graphical measured value curve
- Save measurement data
- Manage customers and measuring points
- Documentation on site
- E-mail dispatch of the report

## Ordering data / technical data / accessories

**testo 512-1** 0 to 200 hPa

testo 512-1, differential pressure measuring instrument with App connection, measuring range 0 to 200 hPa, audible alarm, incl. transport bag, silicone connection hose, calibration protocol and 3 x AA batteries


Order no. 0563 1512



**testo 512-2** 0 to 2000 hPa

testo 512-2, differential pressure measuring instrument with App connection, measuring range 0 to 2000 hPa, audible alarm, incl. transport bag, silicone connection hose, calibration protocol and 3 x AA batteries

Order no. 0563 2512




**The testo Smart App**

- Simple and fast: Measurement menus for numerous applications provide optimum support in configuring and carrying out the measurement
- Clear graphical presentation of readings, e.g. as a table, for quick interpretation of results
- Create digital measurement reports including photos as PDF/CSV files on site and send via e-mail





Free download for Android and iOS



## Technical data

	testo 512-1	testo 512-2
<b>Differential pressure sensor</b>		
Measuring range	0 to +200 hPa	0 to +2000 hPa
Accuracy ±1 digit	±(0.3 Pa + 1% of m.v.) ±1 digit (0 to 25 hPa) ±(0.1 hPa + 1.5% of m.v.) ±1 digit (25.001 to 200 hPa)	0,5 % of the measurement range
Resolution	0.001 hPa (0 to +2 hPa) 0.01 hPa (2,01 to +20 hPa) 0.1 hPa (20,1 to +200 hPa)	1 hPa
Overload	±500 hPa	±2500 hPa
<b>General technical data</b>		
Operating temperature	-20 to +50 °C	
Storage temperature	-20 to +50 °C	
Battery type	3 x AA	
Battery life	120 h	
Dimensions	146 x 60 x 28 mm	
Weight	190 g	191 g
Protection class	IP40	
Housing material	ABS + PC / TPE	

## Accessories

Accessories	Order no.
testo Bluetooth® printer, incl. 1 roll of thermal paper, rech. battery and mains unit	0554 0621
Spare thermal paper for printer (6 rolls), measurement data documentation can be read for up to 10 years	0554 0568
DAkkS pressure calibration certificate, differential and positive pressure; 11 measuring points spread over the measuring range of the instrument	0520 0215
ISO pressure calibration certificate, > 0.6 (% of f.s.v.), 5 points spread over measuring range	0520 0005
Airflow velocity matrix	Order no.
<p>Air flow velocity matrix, telescope with ball head, length 1.8 m, with 2 x 2 m connection hose, silicon-free, with Velcro attachment on the telescope, for connection to differential pressure measuring instrument</p> 	
Connection hose required (order no. 0554 0440 or order no. 0554 0453)	
Pitot tubes	Order no.
Pitot tube, length 350 mm, Ø 7 mm, stainless steel, for measuring flow velocity	0635 2145
Pitot tube, length 500 mm, Ø 7 mm, stainless steel, for measuring flow velocity	0635 2045
Pitot tube, 1000 mm long, stainless steel, measures flow velocity	0635 2345