

# Differential pressure measuring instrument

testo 512 – Digital differential pressure measuring instrument with App connection

testo 512-1 with position-independent differential pressure sensor with high accuracy up to 80 inH<sub>2</sub>O for checking filters and for Pitot tube measurement in the ventilation duct, incl. volume flow calculation in measuring instrument and App

testo 512-2 with a large measuring range up to 800 inH<sub>2</sub>O

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

Audible alarm sounds if a limit value is exceeded

Durability through compact design with robust housing



Differential pressure measurements 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 80 inH<sub>2</sub>O, and the testo 512-2 up to 800 inH<sub>2</sub>O.

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 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
- Second screen display (via Smart App)

Bluetooth 5.0 + App  
testo SMART

testo Smart App for free download

GET IT ON Google Play

Download on the App Store

## Ordering data / technical data / accessories

### testo 512-1 0 to 80 inH<sub>2</sub>O

testo 512-1, differential pressure measuring instrument with App connection, measuring range 0 to 80 inH<sub>2</sub>O, audible alarm, incl. transport bag, calibration protocol and 3 x AA batteries

Order no. 0563 1512



### testo 512-2 0 to 800 inH<sub>2</sub>O

testo 512-2, differential pressure measuring instrument with App connection, measuring range 0 to 800 inH<sub>2</sub>O, audible alarm, incl. transport bag, 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 +80 InH <sub>2</sub> O	0 to +800 InH <sub>2</sub> O
Accuracy ±1 digit	±(0.001InH20 + 1% of m.v.) ±1 digit (0 to 10 InH <sub>2</sub> O) ±(0.04 InH20 + 1.5% of m.v.) ±1 digit (10.01 to 80 InH <sub>2</sub> O)	0.5 %fs
Resolution	0.001 InH <sub>2</sub> O	1 InH <sub>2</sub> O
<b>General technical data</b>		
Operating temperature	-4° to 122 °F	
Storage temperature	-4° to 122 °F	
Battery type	3 x AA	
Battery life	120 h	
Dimensions	5.4 x 2.4 x 1.1 in	
Weight	0.42 lbs	0.42 lbs
Protection class	IP40	
Housing material	ABS + PC / TPE	

## Accessories

Accessories	Order no.
testo Bluetooth® printer, incl. 1 roll of thermal paper, rech. battery and power supply	0554 0621
Spare thermal paper for printer (6 rolls), measurement data documentation can be read for up to 10 years	0554 0568
NIST pressure calibration certificate	Contact Us
ISO pressure calibration certificate, accuracy 0.1 to 0.6 (% of f.s.v.), 5 points spread over measuring range	0520 0025
<b>Airflow velocity matrix</b>	<b>Order no.</b>
<p>Air flow velocity matrix, telescope with ball head, length 5.9 ft., with 6.6 x 6.6 ft. connection hose, silicon-free, with Velcro attachment on the telescope, for connection to differential pressure measuring instrument</p> 	8721 0025
Connection hose required (order no. 0554 0440 or order no. 0554 0453)	
<b>Pitot tubes</b>	<b>Order no.</b>
Pitot tube, length 13", Stainless steel, for measuring flow velocity (need hose 0554 0440)	0635 2045
Pitot tube, length 19", Stainless steel, for measuring flow velocity (need hose 0554 0440)	0635 2145
"L"-type pitot tube 40" stainless steel 1112 °F max (need hose 0554 0440)	0635 2345