

# Differential pressure manometer

testo 512 – Digital differential pressure manometer with Smart App connectivity

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

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

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



hPa  
mbar

Pa

kPa

inHg

inH<sub>2</sub>O

mmHg

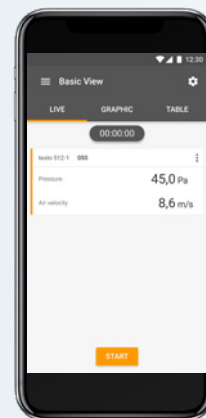
mmH<sub>2</sub>O

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 mbar testo 512-2 up to 2000 mbar.

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 mbar

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

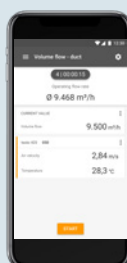
Order no. 0563 1512



### testo 512-2 0 to 2000 mbar

testo 512-2, differential pressure measuring instrument with App connection, measuring range 0 to 2000 mbar, 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 +200 mbar                                                                                                                                                           | 0 to +2000 mbar |
| Accuracy $\pm 1$ digit              | $\pm(0.3 \text{ Pa} + 1\% \text{ of m.v.}) \pm 1 \text{ digit}$ (0 to 25 hPa)<br>$\pm(0.1 \text{ hPa} + 1.5\% \text{ of m.v.}) \pm 1 \text{ digit}$ (25.001 to 200 mbar) | 0.5 %fs         |
| Resolution                          | 0.001 mbar                                                                                                                                                               | 1 mbar          |
| <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 |  |

| Airflow velocity matrix                                                                                                                                                                                                                                                                                                                                                                                                 | Order no. |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--|
| <div><div>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</div><div></div></div> <div>Connection hose required (order no. 0554 0440 or order no. 0554 0453)</div> |           |  |

| Pitot tubes                                                                     | Order no. |  |
|---------------------------------------------------------------------------------|-----------|--|
| Pitot tube, length 350 mm, Ø 7 mm, stainless steel, for measuring flow velocity | 0635 2045 |  |
| Pitot tube, length 500 mm, Ø 7 mm, stainless steel, for measuring flow velocity | 0635 2145 |  |
| Pitot tube, 1000 mm long, stainless steel, measures flow velocity               | 0635 2345 |  |

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Subject to change, including technical modifications.



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