**Data sheet**
**testo 512-1**
**testo 512-2**

Be sure. **testo**

# 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 $inH_2O$ 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 $inH_2O$

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

$inH_2O$

mmHg

$mmH_2O$

psi

fpm*    m/s*

cfm*    $m^3/h$*

* testo 512-1 only

Bluetooth 5.0 + App

**testo** SMART

testo Smart App for free download

GET IT ON Google Play

Download on the App Store

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 inH2O, and the testo 512-2 up to 800 $inH_2O$.

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
- Second screen display (via Smart App)

# Ordering data / technical data / accessories

## testo 512-1 0 to 80 inH$_2$O

testo 512-1, differential pressure measuring
instrument with App connection, measuring range
0 to 80 inH$_2$O, audible alarm, incl. transport bag,
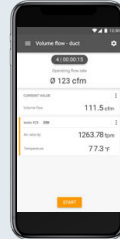calibration protocol and 3 x AA batteries

Order no. 0563 1512

## testo 512-2 0 to 800 inH$_2$O

testo 512-2, differential pressure measuring
instrument with App connection, measuring range
0 to 800 inH$_2$O, audible alarm, incl. transport bag,
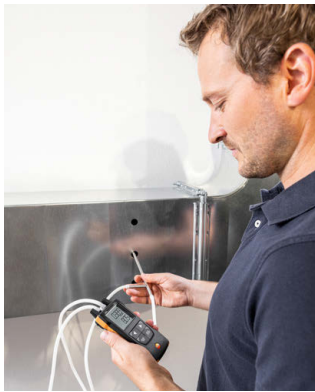calibration protocol and 3 x AA batteries

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 |
|---|---|---|
| **Differential pressure sensor** | | |
| Measuring range | 0 to +80 InH$_2$O | 0 to +800 InH$_2$O |
| Accuracy ±1 digit | ±(0.001InH20 + 1% of m.v.) ±1 digit (0 to 10 InH$_2$O)<br>±(0.04 InH20 + 1.5% of m.v.) ±1 digit (10.01 to 80 InH$_2$O) | 0.5 %fs |
| Resolution | 0.001 InH$_2$O | 1 InH$_2$O |
| **General technical data** | | |
| 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 | |

| Airflow velocity matrix | | Order no. | |
|---|---|---|---|
| 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 | | 8721 0025 | |
| Connection hose required (order no. 0554 0440 or order no. 0554 0453) | | | |

| Pitot tubes | Order no. | |
|---|---|---|
| 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 | |

1981 2254/msp/09.2022

Subject to change, including technical modifications.