

Differential pressure measuring instrument

**testo 512 – The pro in pressure
and flow velocity measurement**

8 pressure units can be selected: kPa, hPa, Pa, mm H₂O,
mmHg, psi, inch H₂O, inch Hg

2 flow velocity units can be selected: m/s, fpm

Integrated tightness compensation

Display illumination

Max./min. as well as Hold-function

Printout of measurement values incl. date/time and
min./max. values



hPa

m/s

The differential pressure measuring instrument testo 512 is available in four different versions:

- Measuring range 0 to 2 hPa
- Measuring range 0 to 20 hPa
- Measuring range 0 to 200 hPa
- Measuring range 0 to 2000 hPa
(without flow velocity and Pascal measurement)

testo 512 simultaneously shows pressure and flow velocity (apart from version 0 to 2000 hPa) in the large, easily legible, illuminated display, the measurement values can be printed out on site with date and time as well as minimum and maximum values.

testo 512 has two switchable units for flow velocity, and for pressure, eight units can even be set.

In the testo 512, damping for a sliding mean value calculation can be individually programmed, tightness compensation is integrated. The actual value displayed can be frozen in the display with the Hold-button, and the minimum and maximum values can be displayed and stored in the instrument.

The TopSafe protects the instrument from impact, dirt and splash water in tough practical applications (optional).

Differential pressure measuring instrument

1 testo 512 0 to 2 hPa/mbar

testo 512 pressure meter (0 to 2hPa) incl.
battery and calibration protocol

Part no. 0560 5126



2 testo 512 0 to 20 hPa/mbar

testo 512 pressure meter (0 to 20hPa) incl.
battery and calibration protocol

Part no. 0560 5127

3 testo 512 0 to 200 hPa/mbar

testo 512 pressure meter (0 to 200hPa) incl.
battery and calibration protocol

Part no. 0560 5128

4 testo 512 0 to 2000 hPa/mbar w/o flow velocity and Pascal measurement

testo 512 pressure meter (0 to 2000hPa) incl.
battery and calibration protocol

Part no. 0560 5129

Sensor type Differential pressure sensor

| | 1 | 2 | 3 | |
|-------------------|---|---|---|----------------|
| Measuring range | 0 to +2 hPa +2 to +17.5 m/s 395 to 3445 fpm | 0 to +20 hPa +5 to +55 m/s 985 to 10830 fpm | 0 to +200 hPa +10 to +100 m/s 1970 to 19690 fpm | 0 to +2000 hPa |
| Accuracy ±1 digit | 0.5% of fsv | 0.5% of fsv | 0.5% of fsv | 0.5% of fsv |
| Resolution | 0.001 hPa 0.1 m/s 0.1 fpm | 0.01 hPa 0.1 m/s 0.1 fpm | 0.1 hPa 0.1 m/s 0.1 fpm | 1 hPa |
| Overload | ±10 hPa | ±200 hPa | ±2000 hPa | ±4000 hPa |

Common Technical Data

| | |
|-----------------------|-------------------------|
| Measuring medium | All non-corrosive gases |
| Display | LCD, 2 lines |
| Storage temperature | -10 to +70 °C |
| Operating temperature | 0 to +60 °C |
| Battery type | 9V block battery, 6F22 |

| | |
|--------------|------------------|
| Battery life | 120 h |
| Auto Off | 10 min |
| Weight | 300 g |
| Dimensions | 202 x 57 x 42 mm |

Accessories

| Accessories for measuring instrument | | Part no. |
|--|-----------|----------|
| 9V rech. battery for instrument, instead of battery | 0515 0025 | |
| Printer and Accessories | | |
| Testo fast printer IrDA with wireless infrared interface; 1 roll thermal paper; 4 AA batteries | 0554 0549 | |
| Spare thermal paper for printer (6 rolls), permanent ink, measurement data documentation legible for up to 10 years | 0554 0568 | |
| External fast charger for 1-4 AA rech. batteries, incl. 4 Ni-MH rech. batteries with individual cell charging and charge control display, incl. impulse trickle charging, integrated discharge function, with built-in international mains plug, 100-240 V, 300 mA, 50/60 Hz | 0554 0610 | |
| Transport and Protection | | |
| TopSafe, protects from impact and dirt | 0516 0221 | |
| Case for measuring instrument and probes | 0516 0191 | |
| Service case for measuring instrument and probe, dimensions 454 x 316 x 111 mm | 0516 1201 | |
| Pitot tube measurement | | |
| Pitot tube, 350 mm long, Ø 7 mm, stainless steel, for measuring flow velocity | 0635 2145 | |
| Pitot tube, 500 mm long, Ø 7 mm, stainless steel, for measuring flow velocity | 0635 2045 | |
| Pitot tube, 1000 mm long, stainless steel, for measuring flow velocity | 0635 2345 | |
| Connection hose; silicone; length 5 m; max. load 700 hPa (mbar) | 0554 0440 | |
| Calibration Certificates | | |
| DAkkS calibration certificate/pressure, diff. and pos. pressure; 11 measuring points distributed over the instr. meas. range | 0520 0215 | |
| ISO calibration certificate pressure, accuracy 0.1 to 0.6 (% of fsv), 5 points distributed over meas. range | 0520 0025 | |

