Data sheet
testo 512

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Differential pressure measuring instrument

testo 512 – The pro in pressure and flow velocity measurement

- 8 pressure units can be selected: kPa, hPa, Pa, mm H_2O, mmHg, psi, inch H_2O, 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).

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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	
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	

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