

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

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



testo 512 o to 2 hPa/mbar

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

Part no. 0560 5126





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

Part no. 0560 5127



testo 512 o to 200 hPa/mbar

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

Part no. 0560 5128



testo 512 o 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	4
Meas. range	0 to +2 hPa	0 to +20 hPa	0 to +200 hPa	0 to +2000 hPa
	+2 to +17.5 m/s	+5 to +55 m/s	+10 to +100 m/s	
	395 to 3445 fpm	985 to 10830 fpm	1970 to 19690 fpm	
Accuracy ±1 digit	0.5% of fsv	0.5% of fsv	0.5% of fsv	0.5% of fsv
Resolution	0.001 hPa	0.01 hPa	0.1 hPa	1 hPa
	0.1 m/s	0.1 m/s	0.1 m/s	
	0.1 fpm	0.1 fpm	0.1 fpm	
Overload	±10 hPa	±200 hPa	±2000 hPa	±4000 hPa

Common Technical Data

Measuring medium	All non-corrosive gases	Battery life	120 h
Display	LCD, 2 lines	Auto Off	10 min
Storage temp.	-10 to +70 °C	Weight	300 g
Oper. temp.	0 to +60 °C	Dimensions	202 x 57 x 42 mm
Battery type	9V block battery, 6F22	Warranty	2 years

Accessories

Accessories for measuring instrument		
9V rech. battery for instrument, instead of battery	0515 0025	
Recharger for 9V rechargeable battery, for external recharging of 0515 0025 battery	0554 0025	

Printer and Accessories

Testo fast printer IRDA with wireless infrared interface; 1 roll thermal paper; 4 AA batteries		
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		
Case for measuring instrument and probes	0516 0210	
Transport case for meas. instr. and probes (405 x 170 x 85 mm)		

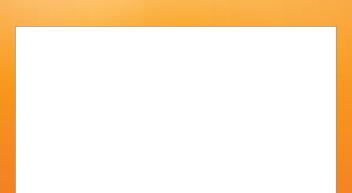
Pitot tube measurement

Pitot tube, 350 mm long, stainless steel, for measuring flow velocity		
Pitot tube, 500 mm long, stainless steel, for measuring flow velocity	0635 2045	
Pitot tube, 1000 mm long, stainless steel, measures flow speed		
Connection hose; silicone; 5 m long; max. load 700hPa (mbar)		

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, differential pressure, accuracy 0.1 to 0.6 (% of fsv)	0520 0025	
ISO calibration certificate pressure, differential pressure; 5 points distributed over meas. range	0520 0005	





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