

Pressure and flow velocity measuring instrument

testo 512

testo 512 shows pressure and flow velocity simultaneously in an easy-to-read, large, backlit display. Measurement data is printed on site with date and time as well as minimum and maximum values. testo 512 has two switchable units for flow: m/s and fpm. Eight units can be set for pressure: kPa, hPa, Pa, mmH₂O, mmHg, psi, inch H₂O, inch Hg.

Adjustable damping for sliding mean calculation, density compensation is built-in. The displayed actual value can be frozen in the display by pressing the HOLD button. The measured minimum and maximum value can be displayed and stored in the meter.

TopSafe protects the measuring instrument in the field from impact, dirt and splash water.

- 8 units for pressure: kPa, hPa, Pa, mm H₂O, mmHg, psi, inch H₂O, inch Hg
- 2 units for flow: m/s, fpm
- Built-in density compensation
- Display light
- Hold/Max/Min function
- Readings printout with date/time and min./max. values



Simultaneous display of flow and pressure value



Measuring process air

0 to 2 hPa/mbar	1	0 to 20 hPa/mbar	2
testo 512 differential pressure meter, 0 to 2 hPa, incl. battery and calibration protocol		testo 512 differential pressure meter, 0 to 20 hPa, incl. battery and calibration protocol	
Part no. 0560 5126		Part no. 0560 5127	
0 to 200 hPa/mbar	3	0 to 2000 hPa/mbar w/o flow velocity and Pascal measurement	4
testo 512 differential pressure meter, 0 to 200 hPa, incl. battery and calibration protocol		testo 512 differential pressure meter, 0 to 2000 hPa, incl. battery and calibration protocol	
Part no. 0560 5128		Part no. 0560 5129	

Technical data	1	2	3	4
Meas. range	0 to +2 hPa +2 to +17.5 m/s	0 to +20 hPa +5 to +55 m/s	0 to +200 hPa +10 to +100 m/s	0 to +2000 hPa
Resolution	0.001 hPa 0.1 m/s	0.01 hPa 0.1 m/s	0.1 hPa 0.1 m/s	1 hPa
Overload	±10 hPa	±200 hPa	±2000 hPa	±4000 hPa
Accuracy	0.5% of fsv			
Measuring medium	All non-corrosive gases			
Display	LCD, 2 lines			
Oper. temp.	0 to +60 °C			
Storage temp.	-10 to +70 °C			
Battery type	9V block battery, 6F22			
Battery life	120 h			
Auto Off	10 min			
Dimensions	202 x 57 x 42 mm			
Weight	300 g			

Accessories Ordering data	Part no.
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	Part no.
Testo fast printer with wireless infrared interface, 1 roll thermal paper and 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
Spare thermal paper for printer (6 rolls)	0554 0569
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	Part no.
TopSafe, protects from impact and dirt	0516 0221
Case for measuring instrument and probes	0516 0210
Transport case for meas. instr. and probes (405 x 170 x 85 mm)	0516 0201

Pitot tube measurement	Part no.
Pitot tube, 350 mm long, stainless steel, measures flow speed	0635 2145
Pitot tube, 500 mm long, stainless steel, measures flow speed, Longer versions on request	0635 2045
Pitot tube, 1000 mm long, stainless steel, measures flow speed in combination with pressure probes, Longer versions on request	0635 2345
Connection hose, silicone, 5m long, max. load 700 hPa (mbar)	0554 0440
Calibration Certificates	Part no.
DKD calibration certificate/pressure, diff. and pos. pressure; 11 measuring points distributed over the instr. meas. range	0520 0215
ISO calibration certificate/pressure, differential pressure; 5 points distributed over meas. range	0520 0005