

# Measure Pressure and Flow

## testo 512

testo 512 shows pressure and flow 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, mm H<sub>2</sub>O, mmHg, psi, inch H<sub>2</sub>O, inch Hg.

Adjustable smoothing 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 meter in the field from impact, dirt and splash water.

- 8 units for pressure: kPa, hPa, Pa, mm H<sub>2</sub>O, mmHg, psi, inch H<sub>2</sub>O, 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

testo 512 differential pressure meter, 0 to 2 hPa, incl. battery and calibration protocol

Part no. 0560 5126

### 0 to 20 hPa/mbar 2

testo 512 differential pressure meter, 0 to 20 hPa, incl. battery and calibration protocol

Part no. 0560 5127

### 0 to 200 hPa/mbar 3

testo 512 differential pressure meter, 0 to 200 hPa, incl. battery and calibration protocol

Part no. 0560 5128

### 0 to 2000 hPa/mbar w/o flow 4

testo 512 differential pressure meter, 0 to 2000 hPa, incl. battery and calibration protocol

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 printer with wireless IRDA and infrared interface, 1 roll of thermal paper and 4 AA batteries 0554 0547

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

