



testo 512

## Pressure and Flow Meters

Versatile instrument with on-site printing option

**NEW!**



m/s

fpm

mbar

kPa

bar

mm H<sub>2</sub>O

mm Hg

psi

inch H<sub>2</sub>O

inch Hg

## testo 512

## Pressure and Flow Meters

The testo 512 range consists of 4 instruments for the measurement of pressure and velocity. The instruments simultaneously display flow (choice of 2 units: m/s and fpm) and pressure (choice of 8 units: kPa, mbar, bar, mmH<sub>2</sub>O, mmHg, psi, inch H<sub>2</sub>O, inch Hg).

All of the testo 512 instruments can be used with the testo printer (optional) to provide onsite documentation of readings with date/time and minimum/maximum values.

Also available is a TopSafe case to protect your instrument from dirt, water and impact.

- Simultaneous display of flow and pressure value
- 8 units for pressure: kPa, mbar, bar, 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
- Smoothing adjustable between 1 to 20 display refreshes (0.5 s) as rolling mean
- Readings printout with date/time and min./max. values
- Hold/Max/Min function
- Backlit display



Measuring outlet air

| 1  | testo 512 0 to 2 mbar |
|--|-----------------------|
| testo 512 differential pressure meter, 0 to 2 mbar, including battery and calibration protocol |                       |
| Part no.   | <b>0560 5126</b>      |

| 2   | testo 512 0 to 20 mbar |
|---|------------------------|
| testo 512 differential pressure meter, 0 to 20 mbar, including battery and calibration protocol |                        |
| Part no.  | <b>0560 5127</b>       |

| 3  | testo 512 0 to 200 mbar |
|--|-------------------------|
| testo 512 differential pressure meter, 0 to 200 mbar, including battery and calibration protocol |                         |
| Part no.   | <b>0560 5128</b>        |

| 4   | testo 512 0 to 2000 mbar without flow |
|---|---------------------------------------|
| testo 512 differential pressure meter, 0 to 2000 mbar, including battery and calibration protocol |                                       |
| Part no.  | <b>0560 5129</b>                      |



Measuring process air

| Technical data    | 1                       | testo 512 0 to 2 mbar | 2                       | testo 512 0 to 20 mbar | 3                       | testo 512 0 to 200 mbar | 4                       | testo 512 0 to 2000 mbar  |
|-------------------|-------------------------|-----------------------|-------------------------|------------------------|-------------------------|-------------------------|-------------------------|---------------------------|
| Probe type        | Built-in pressure probe | Pilot tube            | Built-in pressure probe | Pilot tube             | Built-in pressure probe | Pilot tube              | Built-in pressure probe | without flow, without bar |
| Measuring range   | 0 to +2 mbar            | +2 to +17.5 m/s       | 0 to +20 mbar           | +5 to +55 m/s          | 0 to +200 mbar          | +10 to +100 m/s         | 0 to +2000 mbar         |                           |
| Resolution        | 0.001 mbar              | 0.1 m/s               | 0.01 mbar               | 0.1 m/s                | 0.1 mbar                | 0.1 m/s                 | 1 mbar                  |                           |
| Overload          | ±10 mbar                |                       | ±200 mbar               |                        | ±2000 mbar              |                         | ±4000 mbar              |                           |
| Accuracy ±1 digit | 0.5% of fsv             |                       | 0.5% of fsv             |                        | 0.5% of fsv             |                         | 0.5% of fsv             |                           |

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

| Accessories  | Part no.     |
|--|--------------|
| testo printer with wireless IRDA and infrared interface, 1 roll of thermal paper and 4 batteries           | 0554 0547    |
| Spare thermal paper for printer (6 rolls)  | 0554 0568    |
| Measurement data documentation legible for up to 10 years  |              |
| TopSafe, protects from impact and dirt   | 0516 0221    |
| Case for measuring instrument and probes   | 0516 0210    |
| Transport case for measuring instrument and probes   | 0516 0201    |
| 9V rechargeable battery for instrument instead of battery  | 0515 0025    |
| Recharger for 9V rechargeable battery for external recharging of 0515 0025 battery                         | 900 000 0123 |
| Pitot tube, 350 mm long, stainless steel, measures flow in combination with pressure probes                | 0635 2145    |
| Pitot tube, 500 mm long, stainless steel, measures flow in combination with pressure probes                | 0635 2045    |
| Pitot tube, 1000 mm long, stainless steel, measures flow in combination with pressure probes 0638 1347     | 0635 2345    |
| Connection hose, silicone, 5m long<br>Max. load 700 mbar   | 0554 0440    |
| Hose connection set for gas pressure measurement to heating systems, including silicone hoses and T-pieces | 0554 0315    |
| ISO calibration certificate/Pressure<br>5 points across range  | 300520 0018  |

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