

# Reference differential pressure gauges for industry



Reference instrument for calibrations

The highly accurate testo 525 reference differential pressure gauge with aeronautical engineering precision for the professional in industry. It enables measurements in the positive/negative/differential pressure range.

Many versions with different accuracies and measuring ranges are available. Differential pressure gauges with a very high accuracy class of 0.1% or 0.05% of full-scale value are ideally suitable for calibrations on location.

- 11 different meas. units to select from
- Measures leak rate (pressure drop over time)
- Data memory for single values or series of measurements
- One touch zero



PC analysis  
MIN/MAX  
°C compensated  
±0.05%/full-scale value



## Accuracy: ±0.2%

testo 525, differential pressure gauge, incl. battery and precision certificate

### 0 to 25 hPa/mbar

Part no. 0560 5250

### 0 to 200 hPa/mbar

Part no. 0560 5251

### 0 to 1000 hPa/mbar

Part no. 0560 5252

### 0 to 2000 hPa/mbar

Part no. 0560 5253

### 0 to 7 bar

Part no. 0560 5254

### 0 to 10 bar

Part no. 0560 5255

## Accuracy: ±0.1%

testo 525, differential pressure gauge, incl. battery and precision certificate

### 0 to 25 hPa/mbar

Part no. 0560 5260

### 0 to 200 hPa/mbar

Part no. 0560 5261

### 0 to 1000 hPa/mbar

Part no. 0560 5262

### 0 to 2000 hPa/mbar

Part no. 0560 5263

### 0 to 7 bar

Part no. 0560 5264

### 0 to 10 bar

Part no. 0560 5265

## Accuracy: ±0.05%

testo 525, differential pressure gauge, incl. battery and precision certificate

### 0 to 1000 hPa/mbar

Part no. 0560 5270

### 0 to 2000 hPa/mbar

Part no. 0560 5271

### 0 to 7 bar

Part no. 0560 5272

## Technical data

Accuracy: ±0.2%			
Part no.	0560 5250	0560 5251	0560 5252
Meas. range	0... +25 hPa	0... +200 hPa	0... +1000 hPa
Resolution	0.001 hPa (0... +25 hPa)	0.01 hPa (0... +200 hPa)	0.1 hPa (0... +1000 hPa)
Overload	±125 hPa (0... +25 hPa)	±1400 hPa (0... +200 hPa)	±2000 hPa (0... +1000 hPa)
Part no.	0560 5253	0560 5254	0560 5255
Meas. range	0... +2000 hPa	0... +7 bar	0... +10 bar
Resolution	0.1 hPa (0... +2000 hPa)	0.001 bar (0... +7 bar)	0.001 bar (0... +10 bar)
Overload	±6000 hPa (0... +2000 hPa)	±17 bar (0... +7 bar)	±21 bar (0... +10 bar)
Accuracy: ±0.1%			
Part no.	0560 5260	0560 5261	0560 5262
Meas. range	0... +25 hPa	0... +200 hPa	0... +1000 hPa
Resolution	0.001 hPa (0... +25 hPa)	0.01 hPa (0... +200 hPa)	0.1 hPa (0... +1000 hPa)
Overload	±125 hPa (0... +25 hPa)	±1400 hPa (0... +200 hPa)	±2000 hPa (0... +1000 hPa)
Part no.	0560 5263	0560 5264	0560 5265
Meas. range	0... +2000 hPa	0... +7 bar	0... +10 bar
Resolution	0.1 hPa (0... +2000 hPa)	0.001 bar (0... +7 bar)	0.001 bar (0... +10 bar)
Overload	±6000 hPa (0... +2000 hPa)	±17 bar (0... +7 bar)	±21 bar (0... +10 bar)
Accuracy: ±0.05%			
Part no.	0560 5270	0560 5271	0560 5272
Meas. range	0... +1000 hPa	0... +2000 hPa	0... +7 bar
Resolution	0.1 hPa (0... +1000 hPa)	0.1 hPa (0... +2000 hPa)	0.001 bar (0... +7 bar)
Overload	±2000 hPa (0... +1000 hPa)	±6000 hPa (0... +2000 hPa)	±17 bar (0... +7 bar)

Accuracy ± 1 digit

## Common data

Probe type	Piezoresistive pressure sensor	Protection class	IP54
Measuring medium	All non-corrosive gases	Dimensions	152x83x34 mm
PC	RS232 interface	Weight	270 g
Memory	984	Warranty	2 years
Oper. temp.	-5... +50 °C	11 different measuring units can be set: bar, mbar, kPa, hPa, MPa, mmH2O, mH2O, mmHg, psi, inchH2O, inchHg	
Oper. humidity	+30... +95 %RH		
Storage temp.	-30... +85 °C		
Battery type	9V block battery		
Battery life	50 h		

## Ordering data for Accessories

## Part no.

9V rechargeable battery for instrument	0515 0025
Instead of battery	
Recharger for 9V rechargeable battery	0554 0025
For external recharging of 0515 0025 battery	
Connection hose, silicone, 5m long	0554 0440
Max. load 700 hPa (mbar)	
Connection hose set, 2 x 1 m, coiled, incl. 1/8" screw connection	0554 0441
Pressure-tight up to 20 bar	
Adapter 1/8", for connection hoses. For stable connection of instrument to pressure system.	0554 5200
Software set incl. RS232 data transfer cable	0554 5256
Software for instrument control and data management	
Software	0554 5255
For instrument control and data management	
Data transfer cable RS 232	0554 5250
Case made of leather with shoulder strap	0554 5251
Transport case (plastic) for measuring instrument and accessories	0516 5200
Calibration pump, positive pressure	0554 5252
Max. 5 bar	
Calibration pump, negative pressure	0554 5253
Max. -700 hPa/mbar	
ISO calibration certificate/Pressure	0520 0005
5 points distributed evenly over meas. range of the object being tested, from 0 to 250 bar	
Special DKD calibration certificate/Pressure	0520 0235
First calibration of new instrument; 11 meas. points distributed over range	
Not for accuracy class ±0.05%	

hPa

bar

mbar

kPa

MPa

mm  
H2O

m  
H2O

mm  
Hg

psi

inch  
H2O

inch  
Hg