





## Innovative Pocket-Sized Measurement Technology

Measuring instruments for heating, air conditioning and ventilation.

Testo, the leading manufacturer of portable measurement technology, provides pocket-sized measuring instruments for fast and tough everyday use:

- Air and surface temperature
- Humidity and temperature
- Material moisture, humidity and temperature
- Differential pressure
- Absolute pressure
- rpm
- Light intensity
- Air flow velocity, temperature, humidity

Sensors that fulfil the highest demands, such as Testo's own patented humidity sensor, guarantee reliable and stable measurements.

All instruments are very handy, small and easy to use. The backlit display and the Auto-Off function complete the instrument.

Always included:

Protective cap, wrist strap and belt holder – indispensable additions for practical use.

Great technology can be this small!



· 50 YEARS OF TESTO

· More innovative than ever

· 50 innovations in our anniversary year



# INNOVATION 2007



## Testo 810 - Air and surface temperature in one instrument



- Surface temperature IR measurement with 1-point laser spot marking and 6:1 optics
- Air temperature measurement
- Display of differential temperature e.g. between window and air
- Hold function and max./min. values

### Technical data

#### Surface temperature:

Measuring range: -30 to 300 °C

Resolution: 0.1 °C

Accuracy:  $\pm 2.0$  °C  
(-30 to +100 °C)  
 $\pm 2\%$  of m.v.  
(remaining range)

Optics: 6:1

#### Air temperature:

Measuring range: -10 to 50 °C

Resolution: 0.1 °C

Accuracy :  $\pm 0.5$  °C

Units: °C/°F

Oper. temp.: -10 to 50 °C

Battery type: Alkaline (2 x AAA)

Battery life: 50 h. (average, without display illumination)

#### Dimensions

(incl. protective cap): 119 x 46 x 25 mm

#### Included in delivery:

Calibration protocol · Wrist strap

Belt holder · Protective cap · Batteries

Part no. 0560 0810



## Testo 610 - Air temperature and humidity measurement



- Long-term drift-free  
Testo humidity sensor
- 2.5 %rh accuracy with  
calibration protocol
- Including dewpoint calculation  
and wet bulb
- Hold function and  
max./min. values

### Technical data

#### Temperature

Measuring range: -10 to 50 °C

Resolution: 0.1 °C

Accuracy:  $\pm 0.5$  °C

Units: °C/°F

#### Humidity

Measuring range: 0 to 100 %rh

Resolution: 0.1 %rh

Accuracy:  $\pm 2.5$  %rh  
(5 to 95 %rh)

Units: %rh, wet bulb,  
dewpoint

Oper. temp.: 10 to 50 °C

Battery type: Alkaline (2 x AAA)

Battery life: 200 h. (average, without  
display illumination)

#### Dimensions

(incl. protective cap): 119 x 46 x 25 mm

#### Included in delivery:

Calibration protocol · Wrist strap

Belt holder · Protective cap · Batteries

Part no. 0560 0610



## Testo 606 - Material moisture, air temperature and humidity



- Available in two models:  
**Testo 606-1** material moisture  
**Testo 606-2** material moisture, air temperature and humidity
- Measurement of wood moisture e.g. beech, spruce, larch, oak, pine and maple
- Air temperature and humidity for monitoring drying processes
- Curves for cement screed, concrete, plaster, anhydrite, cement mortar, lime and brick
- Hold and auto-test functions

### Technical data

#### Material moisture

Measuring range: 0 to 90%

Resolution: 0.1

Accuracy:  $\pm 1\%$  (conductivity)

#### Air humidity (606-2 only):

Measuring range: 0 to 100%rh

Resolution: 0.1%rh

Accuracy:  $\pm 2.5\%$ rh (5 to 95%rF)

Units: %rh, wet bulb, dewpoint

#### Air temperature (606-2 only)

Measuring range: -10 to 50°C

Resolution: 0.1°C

Accuracy:  $\pm 0.5\text{ }^{\circ}\text{C}$

Units:  $^{\circ}\text{C}/^{\circ}\text{F}$

Oper. temp.: -10 to 50 °C

Battery type: Alkaline (2 x AAA)

Battery life: 606-1: 200 h.

606-2: 130 h.

(average, without display illumination)

#### Dimensions

(incl. protective cap): 119 x 46 x 25 mm

#### Included in delivery:

Calibration protocol · Wrist strap

Belt holder · Protective cap · Batteries

606-1: Part no. 0560 6060

606-2: Part no. 0560 6062



## Testo 510 - Differential pressure measurement



- Measuring range of 0 to 100 mbar
- Temperature compensation
- Magnetic base for hands free instrument mounting
- Flow velocity measurement with Pitot tube
- Air density compensation

### Technical data

#### Pressure

Measuring range: 0 to 100 mbar

Resolution: 0.0 1 mbar

#### Accuracy:

- ± 0.03 mbar (0 to 0.30 mbar)
- ± 0.05 mbar (0.31 to 1.00 mbar)
- ± (0.1 mbar + 1.5% of m.v.)  
(1.01 mbar to 100 mbar)

Units: hPa, mbar, Pa,  
mmH<sub>2</sub>O, mmHg,  
inH<sub>2</sub>O, inHg, psi,  
m/s, fpm

Oper. temp.: 0 to 50 °C

Battery type: Alkaline (2 x AAA)

Battery life: 500 h. (average,  
without display  
illumination)

#### Dimensions

(incl. protective cap): 119 x 46 x 25 mm

#### Included in delivery:

Calibration protocol · Wrist strap  
Belt holder · Protective cap · Batteries

Part no. 0560 0510



## Testo 511 - Absolute pressure, barometric pressure and altitude



- Absolute pressure accuracy  $\pm 3$  mbar
- Calculation of barometric pressure
- Barometric altitude measurement

### Technical data

#### Pressure

Measuring range: 300 to 1,200 mbar

Resolution: 0.1 mbar

Accuracy:  $\pm 3.0$  mbar

Units: hPa, mbar, Pa,  
mmH<sub>2</sub>O, mmHg,  
inH<sub>2</sub>O, inHg, psi, m, ft

Oper. temp.: 0 to 50 °C

Battery type: Alkaline (2 x AAA)

Battery life: 500 h. (average, without  
display illumination)

#### Dimensions

(incl. protective cap): 119 x 46 x 25 mm

#### Included in delivery:

Calibration protocol · Wrist strap

Belt holder · Protective cap · Batteries

Part no. 0560 0511



## Testo 460 - Optical rpm measurement



- Optical rpm measurement with LED spot marking
- Max./min. values

### Technical data

Measuring range: 100 to 29,999 rpm

Resolution: 0.1 rpm  
(100 to 999.9 rpm)  
1 rpm  
(1,000 to 29,999 rpm)

Accuracy:  $\pm$  (0.02 % of m.v.)  
+ 1 digit

Units: rpm, rps

Oper. temp.: 0 to 50 °C

Battery type: Alkaline (2 x AAA)

Battery life: 20 h. (average, without display illumination)

Dimensions

(incl. protective cap): 119 x 46 x 25 mm

Included in delivery:

Calibration protocol · Wrist strap

Belt holder · Protective cap · Batteries

Part no. 0560 0460



## Testo 540 - Lux meter



- Sensor is adjusted to the spectral sensitivity of the eye
- Hold reading function
- Max./min. values

### Technical data

Measuring range: 0 to 99,999 Lux

1 Lux (0 to 19,999 Lux)

10 Lux

(20,000 to 99,999 Lux)

Accuracy:  $\pm 3\%$  (compared to reference)

Units: Lux, Footcandle

Oper. temp.: 0 to 50 °C

Battery type: Alkaline (2 x AAA)

Battery life: 20 Std. (average, without display illumination)

Dimensions

(incl. protective cap): 133 x 46 x 25 mm

Included in delivery:

Calibration protocol · Wrist strap

Belt holder · Protective cap · Batteries

Part no. 0560 0540



## Testo 410 - Wind or air flow, temperature and humidity



- Available in two models:  
**Testo 410-1** wind or air flow and temperature  
**Testo 410-2** wind or air flow, temperature and humidity
- Integrated 40 mm vane
- Timed mean value calculation
- Hold function and min./max. values
- Windchill calculation for outdoor areas

### Technical data

#### Flow velocity

Measuring range: 0.4 to 20 m/s

Resolution: 0.1 m/s

Accuracy:  $\pm (0.2 \text{ m/s} + 2\% \text{ of m.v.})$

Units: m/s, km/h, fpm, mph, knots, perceived

temperature  $^{\circ}\text{C}/^{\circ}\text{F}$   
(windchill), Beaufort

#### Temperature

Measuring range: -10 to 50  $^{\circ}\text{C}$

Resolution: 0.1  $^{\circ}\text{C}$

Accuracy:  $\pm 0.5 \text{ }^{\circ}\text{C}$

Units:  $^{\circ}\text{C}/^{\circ}\text{F}$

#### Humidity (testo 410-2 only):

Measuring range: 0 to 100 %rh

Resolution: 0.1 %rh

Accuracy:  $\pm 2.5 \text{ %rh}$   
(5 to 95 %rh)

Units: %rh, wet bulb, dewpoint

Oper. temp.: -10 to 50  $^{\circ}\text{C}$

Battery type: Alkaline (2 x AAA)

Battery life: testo 410-1: 100 h.  
testo 410-2: 60 h.  
(average, without display illumination)

#### Dimensions

(incl. protective cap): 133 x 46 x 25 mm

#### Included in delivery:

Calibration protocol · Wrist strap

Belt holder · Protective cap · Batteries

410-1: Part no. 0560 4101

410-2: Part no. 0560 4102