



Committing to the future

Pocket-Sized Professional 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:

- Surface and penetration temperature
- Air temperature and infrared surface temperature
- Air humidity and temperature
- Duct humidity and temperature
- Material moisture, air humidity and temperature
- Differential pressure
- Absolute pressure
- rpm
- Light intensity
- Air flow velocity, temperature, humidity at outlets

testo 810

Air temperature and infrared surface temperature in one instrument



- IR measurement with 1-point laser measurement 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

Surface temperature
 Measuring range: -30 to 300 °C
 Resolution: 0.1 °C
 Accuracy: ±2.0 °C (-30 to +100 °C)
 ±2% of m.v. (remaining range)
 Optics: 6:1

Air temperature
 Measuring range: -10 to 50 °C
 Resolution: 0.1 °C
 Accuracy: ±0.5 °C
 Units: °C/°F
 Oper. temp.: -10 to 50 °C

testo 610

Air humidity and temperature



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

Temperature
 Measuring range: -10 to 50 °C
 Resolution: 0.1 °C
 Accuracy: ±0.5 °C
 Units: °C/°F

Humidity
 Measuring range: 0 to 100 %RH
 Resolution: 0.1 %RH
 Accuracy: ± 2.5 %RH (5 to 95 %RH)
 Units: %RH, wet bulb, dewpoint
 Oper. temp.: 10 to 50 °C

testo 606-1/2

Material moisture, air humidity and temperature



- Precise measurement of wood moisture thanks to stored characteristics curves for e.g. beech, spruce, larch, oak, pine, maple
- Air temperature and humidity for monitoring drying processes
- Characteristics curves for cement screed, concrete, plaster, anhydrite screed, cement mortar, lime mortar, brick
- Hold function
- Auto-test function

Material moisture
 Measuring range: 0 to 90%
 Resolution: 0.1
 Accuracy: ± 1% (conductivity)

Air humidity (606-2 only)
 Measuring range: 0 to 100%RH
 Resolution: 0.1%RH
 Accuracy: ±2.5%RH (5 to 95%RH)
 Units: %RH, wet bulb, dewpoint

Air temperature (606-2 only)
 Measuring range: -10 to 50°C
 Resolution: 0.1°C
 Accuracy: ±0.5 °C
 Units: °C/°F
 Oper. temp.: -10 to 50 °C

testo 410-1/-2

Air flow velocity, temperature and humidity



- Integrated measurement with 40 mm vane
- Timed mean value calculation
- Hold function and min./max. values
- Windchill calculation for outdoor areas

Flow velocity
 Measuring range: 0.4 to 20 m/s
 Resolution: 0.1 m/s
 Accuracy: ±(0.2 m/s + 2% of m.v.)
 Units: m/s, km/h, fpm, mph, knots, perceived temperature °C/°F (windchill), Beaufort

Temperature
 Measuring range: -10 to 50 °C
 Resolution: 0.1 °C
 Accuracy: ±0.5 °C
 Units: °C/°F

Humidity (testo 410-2 only)
 Measuring range: 0 to 100 %RH
 Resolution: 0.1 %RH
 Accuracy: ±2.5 %RH (5 to 95 %RH)
 Units: %RH, wet bulb, dewpoint
 Oper. temp.: -10 to 50 °C



Included in delivery:
 Calibration protocol · Wrist strap
 Belt holder · Protective cap · Batteries

Order no. 0560 0810



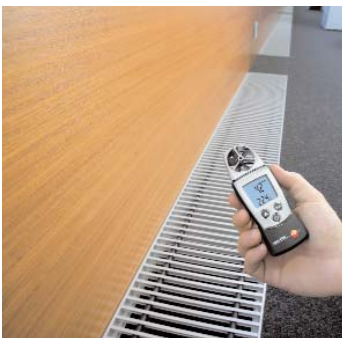
Included in delivery:
 Calibration protocol · Wrist strap
 Belt holder · Protective cap · Batteries

Order no. 0560 0610



Included in delivery:
 Calibration protocol · Wrist strap
 Belt holder · Protective cap · Batteries

606-1: Order no. 0560 6060
 606-2: Order no. 0560 6062



Included in delivery:
 Calibration protocol · Wrist strap
 Belt holder · Protective cap · Batteries

410-1: Order no. 0560 4101
 410-2: Order no. 0560 4102

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

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

testo 510

**Differential pressure
0 to 100 hPa**



- Possibility of display in Pascal over entire measuring range
- Temperature compensation
- Magnets on the rear allow free-hand work
- Flow velocity measurement with Pitot tube
- Air density compensation

Pressure

Measuring range: 0 to 100 hPa
 Resolution: 0.1 hPa
 Accuracy: ± 0.03 hPa (0 to 0.30 hPa)
 ± 0.05 hPa (0.31 to 1.00 hPa)
 $\pm (0.1 \text{ hPa} + 1.5\% \text{ of m.v.})$ (1.01 hPa to 100 hPa)

Units: hPa, mbar, Pa, mmH₂O, mmHg, inH₂O, inHg, psi, m/s, fpm

Oper. temp.: 0 to 50 °C

testo 511

Absolute pressure, barometric pressure, altitude



- Absolute pressure ± 3 hPa
- Calculation of barometric air pressure
- Barometric altitude measurement

Pressure

Measuring range: 300 to 1,200 hPa
 Resolution: 0.1 hPa
 Accuracy: ± 3.0 hPa

Units: hPa, mbar, Pa, mmH₂O, mmHg, inH₂O, inHg, psi, m, ft

Oper. temp.: 0 to 50 °C

testo 460

rpm, optical



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

rpm

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: $\pm(0.02\% \text{ of m.v.}) + 1 \text{ digit}$

Units: rpm, rps

Oper. temp.: 0 to 50 °C

testo 540

Light intensity



- Sensor is adjusted to the spectral sensitivity of the eye
- Hold function for easy measurement value readout
- Max./min. values

Light intensity

Measuring range: 0 to 99,999 Lux

Resolution: 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



Included in delivery:
 Calibration protocol · Wrist strap
 Belt holder · Protective cap · Batteries

Order no. 0560 0510

Included in delivery:
 Calibration protocol · Wrist strap
 Belt holder · Protective cap · Batteries

Order no. 0560 0511

Included in delivery:
 Calibration protocol · Wrist strap
 Belt holder · Protective cap · Batteries

Order no. 0560 0460

Included in delivery:
 Calibration protocol · Wrist strap
 Belt holder · Protective cap · Batteries

Order no. 0560 0540

Great technology can be this small!



testo 905-T1

Immersion/penetration temperature

- Professional industrial sensor (thermocouple Type K)
- Fast reaction time
- Temperature measurement short-term up to 500 °C
- Easy readout of measurement values thanks to flexible joint



Temperature

Meas. range: -50 to +350 °C
short-term to +500 °C
Resolution: 0.1 °C
Accuracy: ±1 °C (-50 to +99.9 °C)
±1 digit ±1% of m.v. (remaining meas. range)
Oper. temp.: 0 to +40 °C

testo 905-T2

Surface temperature

- Sprung thermocouple measurement head with guaranteed fast reaction time
- High accuracy thanks to adaptation of measurement head even to rough surfaces
- Temperature measurement short-term up to 500 °C
- Easy readout of measurement values thanks to flexible joint



Temperature

Meas. range: -50 to +350 °C
short-term to +500 °C
Resolution: 0,1 °C
Accuracy: ±(1 °C +1% of m.v.)
±1 digit
Oper. temp.: 0 to +40 °C

testo 605-H1

Air humidity and temperature

- Air humidity and temperature, dewpoint
- Long-term stable Testo humidity sensor
- Ideal for measurements in ducts
- Easy readout of measurement values thanks to flexible joint



Air humidity and temperature

Meas. range: +5 to +95 %RH
0 to +50 °C
-20 to +50 °C td
Resolution: 0.1 %RH / 0.1 °C
Accuracy: ±3 %RH / ±0.5 °C
±1 digit
Oper. temp.: 0 to +50 °C

testo 405

Air flow velocity and temperature

- Thermal anemometer for the measurement of air flow velocity, volume flow and temperature
- Ideal for measurements in ducts
- Extendable telescope up to 30 cm
- Easy readout of measurement values thanks to flexible joint



Air flow velocity and temperature

Probe type thermal:
Meas. range: 0 to 10 m/s
0 to +99990 m³/h
Resolution: 0.01 m/s
Accuracy: ±(0.1 m/s + 5% of m.v.)
±1 digit ±(0.3 m/s + 5% of m.v.)
(remaining meas. range)
Probe type NTC:
Meas. range: -20 to +50 °C
Resolution: 0.1 °C
Accuracy: ±0.5 °C
±1 digit
Oper. temp.: 0 to +50 °C



Included in delivery:
Attachment clip · Batteries

Order no. 0560 9055



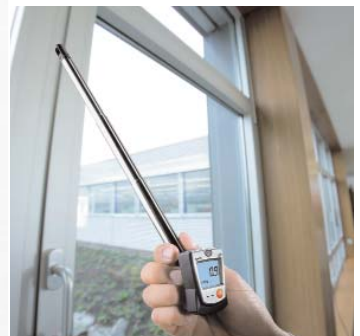
Included in delivery:
Attachment clip · Batteries

Order no. 0560 9056



Included in delivery:
Duct holder · Attachment clip · Batteries

Order no. 0560 6053



Included in delivery:
Duct holder · Attachment clip · Batteries

Order no. 0560 4053

Pocket-sized professional measurement technology

Included in delivery

For testo 810, testo 610, testo 606-1/2, testo 410-1/2, testo 510, testo 511, testo 460, testo 540:



The convenient belt holder for transport .



The protective cap prevents damage to the instrument.



The carrying strap allows you to take the measuring instruments easily and conveniently with you wherever you go.

All measuring instruments are also delivered with batteries and a calibration protocol.

For testo 905-T1/T2, testo 605-H1 and testo 405:



The head can be angled for easy readout of the measurement values. The attachment clip ensures safekeeping – for example in your shirt pocket.



The testo 605-H1 and testo 405 have a duct fixture which guarantees that the measuring instrument is securely fixed in the duct.



All measuring instrument are delivered with batteries.



Pocket-sized professional measurement technology

