



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:

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

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

- 50 Jahre Testo
- Innovativer denn je
- 50 Innovationen im Jubiläumsjahr



INNOVATION 2007

Committing to the future

ESIS Pty Ltd

Ph 02 9481 7420

Fax 02 9481 7267

www.esis.com.au

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!





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

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testo 810

Technical data

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

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

Order no. 0560 0810



Air humidity and temperature



- Long-term drift-free Testo humidity sensor
- 25 %RH accuracy with calibration protocol
- Incl. dewpoint calculation and wet bulb
- Hold function and max./min. values

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testo 610

Technical data

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

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

Order no. 0560 0610

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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 for easy measurement value readout
- Auto-test function

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testo 606-1/2

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: ± 0.5 °C

Units: °C/°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: Order no. 0560 6061

606-2: Order no. 0560 6062



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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

Technical data

Pressure

Measuring range: 0 to 100 hPa

Resolution: 0.0 1hPa

Accuracy:

± 0.03 hPa (0 to 0.30 hPa)

± 0.05 hPa (0.31 to 1.00 hPa)

± (0.1 hPa + 1.5% 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

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

Order no. 0560 0510



Committing to the future

testo 511

**Absolute pressure,
barometric pressure,
altitude**



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

Technical data

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

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

Order no. 0560 0511

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Committing to the future

testo 460

rpm, optical



- Optical rpm measurement with LED measurement 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 Std. (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

Order no. 0560 0460



Committing to the future

testo 540

Light intensity



- Sensor is adjusted to the spectral sensitivity of the eye
- Hold function for easy measurement value readout
- 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

Order no. 0560 0540

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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

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testo 410-1/-2

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 °C/°F
(windchill), Beaufort

Temperature

Measuring range: -10 to 50 °C

Resolution: 0.1 °C

Accuracy: $\pm 0.5 \text{ °C}$

Units: °C/°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 °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: Order no. 0560 4101

410-2: Order no. 0560 4102

Actual size

www.testo.com

Mode

Mode

testo 410-2

testo

testo 410-2

testo

13^{m/s}

21.4^{°C}