

Pocket-Size Professional Measurement Technology



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 min./max. 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
Battery type: Alkaline (2 x AAA)
Battery life: 50 h. (average, without display illumination)

Dimensions

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

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
Battery type: Alkaline (2 x AAA)
Battery life: 200 h. (average, without display illumination)

Dimensions

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

testo 606-1/2

Material moisture, air humidity and temperature



- Precise measurement of wood moisture thanks to stored characteristics curves for beech, spruce, larch, oak, pine, maple
- Air temperature and humidity for monitoring drying processes
- Characteristic 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
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

testo 410-1/-2

Air Flow velocity, temperature and humidity



- Integrated measurement with 40 mm vane
- Timed mean value calculation
- Hold function and max./min. values
- Windchill calculation for outside 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 (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, dew point
Oper. temp.: -10 to +50°C
Battery type: 2 batteries Type AAA
Battery life: 410-1: 100 h. / 410-2: 60 h.

Dimensions

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

testo 510

**Differential pressure
0 to 100 hPa**



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

Pressure

Measuring range: 0 to 100 hPa
Resolution: 0.01 hPa
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

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
Battery type: Alkaline (2 x AAA)
Battery life: 500 h. (average, without display illumination)

Dimensions

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

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: ±(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

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
1 Lux (0 to 19,999 Lux)
10 Lux (20,000 to 99,999 Lux)

Accuracy: ±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