

### 33940

## Measuring instrument for air and surface temperature TESTO 810



IR measurement with 1-point laser, measuring spot marking and 6:1 optics. Air temperature measurement, display of differential temperature e.g. between surface and air. Hold function and max./min. values. Operating temperature -10 to 50 °C.

**Scope of delivery:**

TESTO 810, calibration protocol, hand strap, belt bag, protective cap, batteries (2 x AAA).

**Note:**

Replacement batteries, see art. no. 39900 304.

33940



Technical data:	TESTO 810
Surface temperature measuring range:	-30 to +300 °C
Resolution:	0.1 °C
Accuracy:	+/-2.0 °C (-30 to +100 °C) +/-2% of mv (remaining measuring range)
Appearance:	6:1
Units:	°C/°F
Air temperature measuring range:	-10 to +50 °C
Resolution:	0.1 °C
Accuracy:	+/- 0.5 °C
Units:	°C/°F
Dimensions (incl. protective cap):	119 x 46 x 25 mm

Type	33940	...
TESTO 810		101



### 33941

## Measuring instrument for temperature and humidity TESTO 610



**Design**

Humidity sensor, which remains stable over the long term, 2.5%RH accuracy with calibration protocol. Incl. dew point calculation and wet bulb. Hold function and max./min. values. Operating temperature -10 to 50 °C.

**Scope of delivery:**

TESTO 610, calibration protocol, hand strap, belt bag, protective cap, batteries (2 x AAA).

**Note:**

Replacement batteries, see art. no. 39900 304.

33941



Technical data:	TESTO 610
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, humidity, dew point
Dimensions (incl. protective cap):	119 x 46 x 25 mm

Type	33941	...
TESTO 610		101



### 33942

## Measuring instruments for material moisture, air humidity and temperature TESTO 606-1 and 606-2



**33942 101-102**

**Design**

Precise measurement of wood moisture thanks to stored characteristics, e.g. for beech, larch, oak, pine and maple. Characteristics for cement screed, concrete, gypsum, etc. With hold function and self-test function. Operating temperature -10 to 50 °C.

**Scope of delivery:**

TESTO 606, calibration protocol, hand strap, belt bag, protective cap, batteries (2 x AAA).

**Note:**

Replacement batteries, see art. no. 39900 304.

**33942 102**

**TESTO on 606-2**

Additional measurement of air temperature and humidity to evaluate drying processes.

33942 101

33942 102

Technical data:	TESTO 606-1	TESTO 606-2
Material moisture measuring range:	0 to 90%	0 to 90%
Resolution:	0.1	0.1
Accuracy:	+/-1 percent by weight	+/-1 percent by weight
Units:	%RH, wet bulb, dew point	%RH, wet bulb, dew point
Humidity measuring range:	-	0 to 100%RH
Resolution:	-	0.1%RH
Accuracy:	-	+/-2.5%RH (5 to 95%RH)
Units:	-	%RH, wet bulb, dew point
Air temperature measuring range:	-	-10 to +50 °C
Resolution:	-	0.1 °C
Accuracy:	-	+/- 0.5 °C
Units:	-	°C/°F
Dimensions (incl. protective cap):	119 x 46 x 25 mm	119 x 46 x 25 mm

Type	33942	...
TESTO 606-1		101
TESTO 606-2		102



## Measuring instruments in pocket format

33943

### Measuring instruments for airflow, temperature and humidity TESTO 410-1 and 410-2



33943 101-102

#### Design

- Integrated flow measurement with 40 mm impeller
- Time averaging
- Hold function
- Max./min. values
- Wind chill calculation for outdoor areas
- Operating temperature -10 to 50 °C

#### Scope of delivery:

- TESTO 410
- Calibration protocol
- Hand strap
- Belt bag
- Protective cap
- Batteries (2 x AAA)

#### Note:

Replacement batteries, see art. no. 39900 304.

33943 102

TESTO on 410-2

#### Design

Additional measurement of humidity.

33943 101

33943 102



Technical data:	TESTO 410-1	TESTO 410-2
Flow measuring range:	0.4 to 20 m/s	0.4 to 20 m/s
Resolution:	0.1 m/s	0.1 m/s
Accuracy:	+/- (0.2 m/s + 2% of mv)	+/- (0.2 m/s + 2% of mv)
Units:	m/s, km/h, fpm, mph, knots, perceived temperature °C/°F (wind chill), Beaufort	m/s, km/h, fpm, mph, knots, perceived temperature °C/°F (wind chill), Beaufort
Temperature measuring range:	-10 to +50 °C	-10 to +50 °C
Resolution:	0.1 °C	0.1 °C
Accuracy:	+/-0.5 °C	+/-0.5 °C
Units:	°C/°F	°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, dew point
Dimensions (incl. protective cap):	133 x 46 x 25 mm	133 x 46 x 25 mm

Type	33943	...
TESTO 410-1		101
TESTO 410-2		102



33944

### Measuring instrument for differential pressure TESTO 510



#### Design

- Display in pascal over the entire measuring range is possible
- Temperature compensation
- Magnets on the back of the device allow hands-free work
- Flow measurement with pitot tube
- Air density compensation
- Operating temperature 0 to 50 °C

#### Scope of delivery:

- TESTO 510
- Calibration protocol
- Hand strap
- Belt bag
- Protective cap
- Connecting hose, silicone
- Batteries (2 x AAA)

#### Note:

Replacement batteries, see art. no. 39900 304.

33944



Technical data:	TESTO 510
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 mv) (1.01 hPa to 100 hPa)
Units:	hPa, mbar, Pa, mmH2O, mmHg, inH2O, inHg, psi, m/s, fpm
Dimensions (incl. protective cap):	119 x 46 x 25 mm

Type	33944	...
TESTO 510		101



### 33945

## Measuring instrument for absolute pressure, barometric pressure and altitude TESTO 511



#### Design

- Absolute pressure accuracy +/- 3 hPa
- Calculations of barometric air pressure
- Barometric altitude measurement
- Operating temperature 0 to 50 °C

#### Scope of delivery:

- TESTO 511
- Calibration protocol
- Hand strap
- Belt bag
- Protective cap
- Batteries (2 x AAA)

#### Note:

Replacement batteries, see art. no. 39900 304.



33945

Technical data:	TESTO 511
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
Dimensions (incl. protective cap):	119 x 46 x 25 mm

Type	33945	...
TESTO 511		101

### 39121

## Measuring instrument for rotation speed, optical TESTO 460



#### Design

- Optical
- LED measuring spot marking
- Max./min. values
- Operating temperature 0 to 50 °C

#### Scope of delivery:

- TESTO 460
- Calibration protocol
- Hand strap
- Belt bag
- Protective cap
- Batteries (2 x AAA)

#### Note:

Reflex markers, see art. no. 39120 102.

Replacement batteries, see art. no. 39900 304.



39121

Technical data:	TESTO 460
Measuring range:	100 to 29,999 rpm
Resolution:	0.1 rpm (100 to 999.9 rpm) 1.0 rpm (1,000 to 29,999 rpm)
Accuracy:	+/- (0.02% of mv) +1 digit
Units:	rpm, rps
Dimensions (incl. protective cap):	119 x 46 x 25 mm

Type	39121	...
TESTO 460		101

### 33947

## Measuring instrument for illuminance TESTO 540



#### Design

- Sensor is adapted to the spectral sensitivity of the eye
- Hold function for comfortable reading of the measured values
- Max./min. values
- Operating temperature 0 to 50 °C

#### Scope of delivery:

- TESTO 540
- Calibration protocol
- Hand strap
- Belt bag
- Protective cap
- Batteries (2 x AAA)

#### Note:

Replacement batteries, see art. no. 39900 304.



33947

Technical data:	TESTO 540
Illuminance 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 with reference)
Units:	lux, footcandle
Dimensions (incl. protective cap):	133 x 46 x 25 mm

Type	33947	...
TESTO 540		101

**33951**

**Temperature measuring strips**

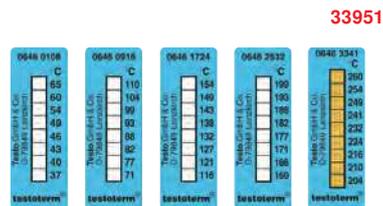


**Design**

- Self-adhesive films with heat-sensitive elements
- Irreversible colour change within 2–3 sec.
- Accuracy up to + 150 °C: +/- 1.5 °C, from + 150 °C: +/- 1% of the respective temperature value
- Practical measuring strip book with 10 strips
- L x W 50 x 18 mm

**Note:**

Measuring strips on a roll, e.g. for labelling machines, and other designs are available on request.



**33951**

**Applications**

For temperature monitoring and control, e.g. for measurements on moving parts, for long-term monitoring and on small objects.

Measuring range °C	<b>33951</b>	...
+37...+65		<b>102</b>
+71...+110		<b>103</b>
+116...+154		<b>104</b>
+160...+199		<b>105</b>
+204...+260		<b>106</b>



**33958**

**Infrared thermometer 830-T2/-T4**



**33958 202-203**

**Design**

- Emissivity adjustable from 0.1 to 1.0
- Operating temperature -20 to +50 °C
- Adjustable alarm limit values
- Illuminated display
- Good handling
- With acoustic alarm when a limit value is exceeded
- 9 V block battery
- Available with certificate at extra cost

**Applications**

For contactless measurements, e.g. on rotating measuring objects (1). With optional external sensors, e.g. on shiny metal surfaces (2).

**Note:**

For additional accessories, see art. no. 33971.  
Replacement batteries, see art. no. 39900 405.

**33958 202  
TESTO 830-T2**

**Design**

- With 2 laser measuring spot markings and mount for external TE sensors
- Measuring optics 10:1

**33958 203  
TESTO 830-T4**

**Design**

- With 2 laser measuring spot markings and mount for external TE sensors
- Measuring optics 12:1 so that the measuring spot at a distance of one meter is only 3.6 cm. Therefore even small objects can be measured at a great distance
- Display of min. and max. values

**33958 202**

**33958 203**



(1)

(2)



Type	Measuring range °C	Accuracy (-30 to +400 °C)	Resolution °C	<b>33958</b>	...
TESTO 830-T2	-30 to +400	+/-1.5°C/ +/-1.5% of mv	0.1		<b>202</b>
TESTO 830-T4	-30 to +400	+/-1°C/ +/-1% of mv	0.1		<b>203</b>

**Design**

- Measure reliably and precisely up to the high temperature range
- 4-point laser indicates the exact measuring range and prevents incorrect measurements
- 50:1 optics allow reliable measurements from a great distance
- Integrated emissivity measurement for absolute measuring accuracy
- Convenient menu navigation with icons and joystick
- Measured value and location, storage and data evaluation on PC with EasyClimate software (free download)

**Scope of delivery:**

- Infrared temperature-measuring instrument with 4-point laser marking
- Measurement data management
- Incl. batteries and calibration protocol

**Note:**

For additional accessories, see art. no. 33971.  
Replacement batteries, see art. no. 39900 303.

**33959 101****TESTO 835-T1****Design**

Entry into intelligent infrared measuring technology. This practical infrared thermometer offers maximum reliability and precision when measuring the temperatures of small objects from a moderate distance, e.g. when monitoring the temperature on walls, troubleshooting on heating and air-conditioning units or quality control of industrially manufactured products.

**33959 102****TESTO 835-T2****Design**

Professional for the high temperature range. Thanks to its extended measuring range, this infrared thermometer measures temperatures up to 1500 °C precisely and from a safe distance, e.g. when monitoring product temperature in the glass, ceramic and metal industry.

**33959 103****TESTO 835-H1****Design**

Special device with integrated surface moisture measurement. With the unique patented infrared surface moisture measurement, you can detect the risk of mould growth on building materials at an early stage, measure moisture or check the dew point distance.

Supplied with moisture module.



33959



Technical data:	TESTO 835-T1 (33959 101)	TESTO 835-T2 (33959 102)	TESTO 835-H1 (33959 103)
<b>Sensor type infrared</b>			
Appearance:	50:1 (typically with regard to the distance of 2.0 m to the measuring object) + opening diameter of the sensor (24 mm))		
Measuring spot marking:	4-point laser	4-point laser	4-point laser
Measuring range:	-30 to +600 °C	-10 to +1500 °C	-30 to +600 °C
Accuracy +/- 1 digit:	+/- 2.5 °C (-30.0 to -20.1 °C) +/- 1.5 °C (-20.0 to -0.1 °C) +/- 1.0 °C (+0.0 to +99.9 °C) +/- 1% of mv. (remaining measuring range)	+/- 2.0 °C or +/- 1% of mv	+/- 2.5 °C (-30.0 to -20.1 °C) +/- 1.5 °C (-20.0 to -0.1 °C) +/- 1.0 °C (+0.0 to +99.9 °C) +/- 1% of mv. (remaining measuring range)
Resolution:	0.1 °C	0.1 °C (-10.0 to +999.9 °C) 1 °C (+1000.0 to +1500.0 °C)	0.1 °C
Sensor type: K (NiCr-Ni)			
Measuring range:	-50 to +600 °C	-50 to +1000 °C	-50 to +600 °C
Accuracy +/- 1 digit:	+/- (-0.5 °C + 0.5% of mv)	+/- (-0.5 °C + 0.5% of mv)	+/- (-0.5 °C + 0.5% of mv)
Resolution:	0.1 °C	0.1 °C	0.1 °C
<b>Sensor type: humidity sensor</b>			
Accuracy:	-	-	+/- 2%RH +/- 0.5 °
Resolution:	-	-	0.1 °C/0.1%RH/0.1 °Ctd
Emission factor:	0.10 to 1.00 (0.01 increments)	0.10 to 1.00 (0.01 increments)	0.10 to 1.00 (0.01 increments)
Dimensions:	193 x 166 x 63 mm	193 x 166 x 63 mm	193 x 166 x 63 mm
Weight:	514 g	514 g	514 g

Type	33959	...
TESTO 835-T1		101
TESTO 835-T2		102
TESTO 835-H1		103

# Infrared camera | Mini penetration thermometer | Multi-function climate-measuring instrument

33961

## Infrared camera TESTO 872

IP  
54



### TESTO 872

#### Design

The TESTO 872 infrared camera provides you with optimal support in your work in professional industry and building thermography. You can create thermographs quickly, reliably and intelligently with excellent image quality, good thermal sensitivity and innovative functions.

You can transport the infrared camera conveniently in the case supplied, ensuring that you always have it to hand when you need it.

#### Application areas:

Detect areas that are at risk of developing mould, locate heat bridges, find construction defects or detect overheated connections. The testo 872 infrared camera is ideal for applications involving daily maintenance and installation in trade and industry. Fast, easy and reliable for maintenance and detecting defects.

#### Scope of delivery:

- Infrared camera TESTO 872 with wireless module for Bluetooth/WLAN
- USB cable
- Power supply unit
- Lithium-ion battery
- Professional software IRSoft (free download)
- 3x Testo emissivity markers
- Commissioning instructions
- Quick user guide
- Calibration protocol
- Case

**NEW**



33961



Technical data:	TESTO 872
Measuring range 1:	-30 to +100 °C
Measuring range 2:	0 to +650 °C
Infrared resolution:	320 x 240 pixels
Thermal sensitivity (NETD):	60 mK
Lens/min. focus distance:	42° x 30°/less than 0.5 m
Focus:	Fixed focus
Image display:	3.5 inch TFT with 320 x 240 pixels
Display illumination:	3-level (bright, normal, dark)
Accuracy:	+/-2 °C, +/-2% of measured value
Laser class:	2 (635 nm)
Dimensions:	219 x 96 x 95 mm
Weight:	510 g

Type	33961	...
TESTO 872		101



33964

## Mini penetration thermometer

IP  
67



#### Design

- Watertight, degree of protection to IP 67
- MAX/MIN and HOLD button
- °C/°F switching
- Battery level indicator
- Sensor tube length 120 mm
- With protective sleeve for sensor tube
- Supplied with LR44 button cell
- Available with certificate at extra cost

#### Applications

For recording the temperature in the air, in soft, powdery substances and liquids, e.g. in the laboratory, in the food industry, heating and air conditioning technology, in horticulture, offices, etc.

#### Note:

Replacement batteries, see art. no. 39900 101.



33964

Technical data:	
Measuring range:	-20 to +230 °C
Resolution:	0.1 °C (-19.9 to + 199.9 °C)/remaining 1.0 °C
Accuracy:	+/-1 °C (-20 to +53.9 °C) +/-0.8 °C (+54 to +90 °C) +/-1 °C (+90.1 to +180 °C) +/-1.5 °C (+180.1 to +230 °C)
Operating temperature:	-10 to +50 °C

	33964	...
		401



**TESTO 440****Design**

Measure with the climate measuring instrument TESTO 440 and save all climate-relevant parameters in combination with high-quality probes (please order probes separately). Up to 3 probes can be connected simultaneously: one Bluetooth probe, one wired probe and a temperature sensor with thermocouple type K connection.

Automatic probe detection and clearly structured measuring menus ensure extremely simple operation and facilitate your day to day work.

**Scope of delivery:**

- Climate measuring instrument TESTO 440
- 3 batteries (type AA)
- USB cable
- Calibration protocol

**NEW****Note:**

Replacement batteries, see art. no. 39900 303.



33965 101

Technical data:	TESTO 440
	<b>Temperature (NTC)</b>
Measuring range:	-40 to +150 °C
Accuracy (+/-1 digit):	+/-0.4 °C (-40 to -25.1 °C) +/-0.3 °C (-25 to +74.9 °C) +/-0.4 °C (+75 to +99.9 °C) +/-0.5% of mv (remaining measuring range)
Resolution:	0.1 °C
	<b>Temperature (TE)</b>
Measuring range:	-200 to +1370 °C
Accuracy (+/-1 digit):	+/- (0.3 °C + 0.3% of mv)
Batteries:	3x (type AA)
Dimensions:	154 x 65 x 32 mm
Weight:	250 g

Type	33965	...
TESTO 440		101

**Probes for climate measuring instrument TESTO 440 (art. no. 33965 101)****33965 201****Impeller probe Ø 16 mm, wired****Applications**

You can use the probe to reliably measure flow velocity and volumetric flow in ventilation ducts.

	33965 201
Measuring range:	0.6 to 50 m/s
Resolution:	0.1 m/s
Accuracy:	+/- (0.2 m/s + 1% of mv) (0.6 to 40 m/s) +/- (0.2 m/s + 2% of mv) (40.1 to 50 m/s)

**33965 202****Impeller probe Ø 100 mm, wired**

- Incl. temperature sensor

**Applications**

Use the impeller probe to determine flow velocity, volumetric flow and temperature at air outlets as well as at poppet valves, ventilation grilles or ceiling diffusers.

	33965 202
Measuring range:	0.3 to 35 m/s/-20 to +70 °C
Resolution:	0.01 m/s/0.1 °C
Accuracy:	+/- (0.1 m/s + 1.5% of mv) (0.3 to 20 m/s) +/- (0.2 m/s + 1.5% of mv) (20.01 to 35 m/s) +/- 0.5 °C

**33965 203****Humidity temperature probe, wired****Applications**

For measurements in storage, cooling and work rooms, in ventilation ducts, as well as in cooling systems and heat pumps: The humidity temperature probe enables you to measure relative humidity and air temperature (with the appropriate measuring instrument).

	33965 203
Measuring range:	0 to 100%RH -20 to +70 °C
Resolution:	0.1%RH 0.1 °C
Accuracy:	+/- 2%RH (5 to 90%RH) +/- 0.5 °C

**33965 204****Lux probe, wired****Applications**

For measurements at workstations, for example, in the office or in production. You can use the lux probe (with the TESTO 440) to measure illuminance.

	33965 204
Measuring range:	0 to 100,000 lux
Resolution:	0.1 lux (< 10,000 lux) 1 lux (≥ 10,000 lux)
Accuracy:	DIN 13032-1 Appendix B Class C according to DIN 5032-7

**33965 205****CO<sub>2</sub> probe, wired**

- Incl. Temperature and humidity sensor

**Applications**

Probe for evaluating CO<sub>2</sub> concentration, humidity and air temperature. Wet bulb temperature, dew point and absolute humidity are calculated at the same time.

	33965 205
Measuring range:	0 to 10,000 ppm CO <sub>2</sub> 5 to 95%RH/0 to +50 °C
Resolution:	1 ppm/0.1%RH/0.1 °C
Accuracy:	+/- (50 ppm + 3% of mv) (0 to 5000 ppm) +/- (100 ppm v + 5% mv) (5,001 to 10,000 ppm)



Type	33965	...
Impeller probe Ø 16 mm		201
Impeller probe Ø 100 mm		202
Humidity temperature probe		203

Type	33965	...
Lux probe		204
CO <sub>2</sub> probe		205
Service case (empty)		206

33965 206



33969

Temperature measuring instruments TESTO 925



**All-round thermometer  
TESTO 925**

**Design**

- Robust measuring instrument **with wireless option**
- Measurement sensor:  
NiCr-Ni (thermocouple plug connector type K)
- HOLD button to retain the measured value
- LC display (digit height 14 mm)
- Large illuminated display
- °C/°F switching
- Battery indicator

**Accuracy:**

- +/- 0.5°C +/- 3% of mv (-40 to +900°C),
- +/- 0.7°C +/- 5% of mv (remaining measuring range).

**Scope of delivery:**

- 9 V battery (type 6 LR 61), designed for long-term operation
- Operating instructions and calibration protocol
- Without measuring probe (see cat. no. 33971)
- **Available with ISO calibration certificate at extra cost**

**Applications**

Ideal for rough use for daily temperature measurements in industry and trade.

**Note:**

Appropriate accessories for wireless mode and sensor, see art. no. 33971.  
Protective cover TopSafe, see art. no. 33971 139.  
Replacement batteries, see art. no. 39900 405.



33969

Type	Measuring range °C	Resolution °C	Dimension mm	Weight g	33969	...
TESTO 925	-50 to +1000	0.1/1.0 (> 200°C)	190 x 57 x 42	300		201

33971

Accessories for TESTO measuring instruments



**Note:**

For easy assignment of the accessories, please use the overview in the price table.  
Replacement batteries, see art. no. 39900.

Suitable for measuring instrument

Type	830 (33958)	835 (33959)	845 (33960)	925 (33969)	110 (33976)	440 (33965)	735-2 (33983)	435-1 (33996)	33971	...
Replacement thermal paper	-	-	X	-	-	-	-	-		105
Surface sensor	-	X	X	X	-	X	X	X		106
Immersion sensor	-	X	-	X	-	X	X	-		107
Thermocouple	-	-	-	X	-	X	-	-		108
Immersion/penetration sensor	X	X	-	X	-	X	X	-		109
Air sensor	X	X	X	X	-	X	X	-		110
Immersion/penetration sensor	-	X	-	X	-	X	X	X		112
Pipe contact sensor	-	X	-	X	-	X	X	X		113
Magnetic sensor	-	X	-	X	-	X	X	-		114
Immersion measuring tip	-	X	-	X	-	X	X	-		115
Handle	-	-	-	X	-	-	X	X		120
Transport case	-	-	-	X	X	-	-	-		121
TopSafe for 925	-	-	-	X	-	-	-	-		139
Air sensor NTC	-	-	-	-	X	-	-	X		140

► **Printer accessories**

33971 105

Replacement thermal paper

► **Transport and protection**

33971 139

Protective cover TopSafe

**Applications**

For TESTO 925 (art. no. 33969 201).

33971 121

Transport case

**Applications**

For the safe transport of measuring instruments, 3 sensors and accessories.



33971 139

► **Other**

33971 120

Handle with connecting cable

**Applications**

For plug-in blade tips.



33971 120

Continued ►

Continued **Note:**

For easy assignment of the accessories, please use the overview in the price table (page 33.44).  
Replacement batteries, see art. no. 39900.

**► Immersion/penetration sensor**

33971 107

**Immersion sensor with wired handle****Design**

TE type K, accurate and fast, watertight. Measuring range -60 to +1000°C.



33971 107

33971 109

**Immersion/penetration sensor with wired handle****Design**

TE type K, watertight. Measuring range -60 to +400°C.



33971 109

33971 112

**Immersion/penetration sensor with wired handle****Design**

TE type K, super fast and watertight. Measuring range -60 to +800°C.



33971 112

33971 115

**Immersion blade tip without handle****Design**

TE type K, flexible, length 500 mm, Ø 1.5 mm.

Measuring range -200 to +1000°C.



33971 115

**► Surface sensor**

33971 106

**Surface sensor with wired handle****Design**

TE type K, very fast response times with elastic thermocouple tape. Measuring range -60 to +300°C, briefly up to +500°C.

**Applications**

Also for non-flat surfaces.



33971 106

33971 113

**Pipe contact sensor without handle****Design**

TE type K, with replaceable measuring head. Measuring range -60 to +130°C.



33971 113

33971 114

**Magnetic sensor without handle****Design**

TE type K, adhesive force approx. 10 N. Measuring range -50 to +400°C.

**Applications**

For measuring high temperatures on metallic surfaces.



33971 114

**► Air sensor**

33971 110

**Robust air sensor with wired handle****Design**

TE type K, length 115 mm, Ø 4 mm. Measuring range -60 to +400°C.



33971 110

33971 140

**Air sensor****Design**

NTC, precise and robust. Measuring range -50 to +150°C.



33971 140

**► Thermocouple**

33971 108

**Thermocouple without handle****Design**

TE type K, with TE plug, flexible, length 800 mm, glass fibre. Measuring range -50 to +400°C.



33971 108

33970

**pH tester for liquids TESTO 206-pH1**



**Design**

- Combination of °C and pH
- Fast, accurate, simple
- Reliable thanks to automatic final value detection
- Robust, insensitive to contamination

**Applications**

Changes in the coolant quality can be detected by the self-monitoring function and corrected as necessary. Among other things, the pH value must be recorded here. Depending on the manufacturer's specifications, the pH value of the lubricant should lie between 7.7 and 9.2 pH. This measurement must be made when preparing the concentrate, and once weekly for emulsions ready for use. If the pH value drops sharply, there is a risk of corrosion, poor biostability connected with insufficient service life (additional costs), unpleasant odours and health hazards. Measures must be taken in the event of a decrease in pH of 0.2 pH, and the coolant should be changed in the event of a decrease of 0.5 pH.

**33970 101**

**Device set TESTO 206-pH1**

**Scope of delivery:**

- One-handed pH/°C measuring instrument
- pH1 probe head for liquid media
- Storage cap with gel
- Protective cover TopSafe
- Belt/wall bracket

**33970 102**

**Starter set TESTO 206-pH1**

**Scope of delivery:**

- One-handed pH/°C measuring instrument
- pH1 probe head for liquid media
- Storage cap with gel
- Calibration dosage bottles 250 ml pH 4+7
- Protective cover TopSafe
- Belt/wall bracket
- Aluminium case



33970

Technical data:		TESTO 206-pH1
Measurement sensor:	pH electrode	NTC
Measuring range:	0 to 14 pH	0 to 60 °C (for short periods up to +80 °C, max. 5 min.)
Accuracy +/- 1 digit:	+/- 0.02 pH	+/- 0.4 °C
Resolution:	0.01 pH	0.1 °C
Compensation:	Autom. temperature compensation	Autom. temperature compensation
Measuring rate:	2 measurements per second	2 measurements per second
Dimensions:	197 x 33 x 20 mm	197 x 33 x 20 mm

Type	33970	...
Device set TESTO 206-pH1		101
Starter set TESTO 206-pH1		102



33975

**Wireless data logger TESTO Saveris 2-T1 and 2-H1**



**33975 301+304**

**TESTO Saveris 2-T1+ 2-H1**

**Design**

- Automated temperature monitoring with integrated sensor
- Wireless data logger system with easy installation and operation and free cloud functionality
- Call up and evaluate temperature data at any time via smartphone, tablet or PC
- Reliable recording of temperature values, even over long periods
- Email or text message alerts if limits are exceeded

**Applications**

In storage, production, cold storage and work rooms.

**Scope of delivery:**

- Wireless data logger TESTO Saveris 2
- Including free cloud access
- Micro USB cable
- Wall bracket with lock
- Batteries (4 x AA)
- Quick user guide
- Calibration protocol

**33975 304**

**TESTO Saveris 2-H1**

**Design**

- Also features automated humidity monitoring

**33975 305**

**Power supply with cable**

**Note:**

*Additional data loggers and sensors are available on request.*

Technical data:	Temperature measuring range	Humidity measuring range	Protective class
TESTO 2-T1	-30 to +50 °C	-	IP 65
TESTO 2-H1	-30 to +50 °C	0 to 100%RH	IP 30

Type	33975	...
TESTO Saveris 2-T1		301
TESTO Saveris 2-H1		304
Power supply with cable		305



## 33976

## Control thermometer TESTO 110



**33976 201**  
**TESTO 110**

### Design

- High-precision measuring instrument with wireless option
- Measurement sensor: NTC sensor
- LC display with 14 mm digit height
- Two-line display
- °C/°F switching
- Battery indicator
- Automatic shut-off
- Battery designed for long-term operation
- Supplied with 9 V battery, type 6 LR61, operating instructions and calibration log, **without** measuring probe (see art. no. 33977)

### Accuracy:

- +/- 0.2°C (-20 to +80°C),
- +/- 0.3°C (remaining measuring range)

### Applications

Ideal for the laboratory and the food, refrigeration and air-conditioning sector.

### Note:

Additional accessories such as wireless modules, see art. no. 33971.  
Replacement batteries, see art. no. 39900 405.

**33976 202**

### NTC surface sensor

#### Design

- Watertight
- Measuring range -50 to +150°C
- Error limit max. 0.5% of measured value

#### Applications

For flat surfaces.

**33976 203**

### Pipe contact sensor

#### Design

- With reclosable fastener
- Measuring range -50 to +70°C
- Error limit max 0.4% of measured value.

#### Applications

For measuring the temperature on pipes up to max. Ø 75 mm.

**33976 204**

### NTC immersion/penetration sensor

#### Design

- Measuring range -50 to +150°C
- Error limit max. 0.5% of measured value

33976 201

33976 203



33976 202



33976 204



Type	Measuring range °C	Resolution °C	Dimension mm	Weight g	33976	...
TESTO 110	-50 to +275	0.1	182 x 64 x 40	171		201
Surface sensor	-50 to +150	-	-	-		202
Pipe contact sensor	-50 to +70	-	-	-		203
Immersion/penetration sensor	-50 to +150	-	-	-		204

## 33979

## Thermo hygrometer TESTO 608-H1/-H2



### Design

With dew point calculation td and min./max. value display. Humidity sensor insensitive to condensation.

### Sensor type (NTC):

Accuracy +/-0.5°C (at +25°C).

### Resolution

0.1°C (0 to +50°C). Operating temperature 0 to +50°C. **Certificate available at extra cost.**

### Applications

For continuous measurement of humidity, temperature and dew point, e.g. for monitoring the indoor environment and dew point in nurseries, storage and clean rooms, museums, laboratories, etc.

### Note:

Replacement batteries, see art. no. 39900 405.

**33979 101**

### TESTO 608-H1

#### Design

#### Measuring range:

- +10 to +95%RH,
- 0 to +50°C,
- 20 to +50°C td.

#### Accuracy:

+/-3%RH (+10 to +95%RH).

#### Resolution:

0.1%RH (0 to +100% RH).

Supplied with 9 V battery, type 6 LR 61.

**33979 102**

### TESTO 608-H2

#### Design

**With LED alarm function** to reliably inform you if the limit value is exceeded.

#### Measuring range:

- +2 to +98%RH,
- 10 to +70°C,
- 40 to +70°C td.

#### Accuracy:

+/-2%RH (+2 to +98%RH).

#### Resolution:

-40 to +70°C td (0 to +100%RH).

Supplied with 9 V battery, type 6 LR 61 and **calibration protocol.**

33979 102



Type	33979	...
TESTO 608-H1		101
TESTO 608-H2		102

## Sound measuring instruments | Measuring stands

33985

### Sound measuring instruments TESTO 815/816-1



**Note:**

Replacement batteries, see art. no. 39900 405.

**33985 101**

**TESTO 815**

**Design**

**- Accuracy class 2**

- Easy to adjust (adjustment screwdriver included in the scope of delivery)
- Frequency evaluation according to characteristic curve A and C
- Maximum and minimum value memory
- Built-in tripod screw (1/4 inch)
- Switchable fast/slow time evaluation

**Scope of delivery:**

- Microphone
- Wind protection
- Battery

**Applications**

In air-conditioning and heating technology, discos, production areas and incinerators.

**33985 202**

**TESTO on 816-1**

**Design**

**- Accuracy class 2**

- Frequency evaluation according to characteristic curve A and C
- Precise sound level measurement in accordance with IEC 61672-1 and ANSI S1.4 Type 2
- Ideal for noise measurement in occupational safety and immission protection
- Integrated data memory for up to 31,000 measured values
- Long-term measurements are possible
- PC software for evaluation and USB cable for data transfer including
- Switchable fast/slow time evaluation
- Bar graph display
- Illuminated display
- AC output for connecting recorders and amplifiers
- DC output with 10 mV/dB for connecting recorders or data loggers

**Scope of delivery:**

- Wind protection
- PC software
- USB connecting cables
- Screwdriver for calibration
- Battery
- Operating instructions on CD-ROM
- In a practical measuring case

**Applications**

For workplace measurement, industrial and manufacturing halls and in public places.

**33985 103**

**Calibrator**

**Applications**

For regular calibration of TESTO 815 and 816-1.

33985 101



33985 202



33985 103



Type	Total measuring range dB(A)	Accuracy dB(A)	Resolution dB(A)	Dimension mm	Weight g	33985	...
TESTO 815	+32 to +130	+/- 1.0	0.1	255 x 55 x 43	195		101
TESTO 816-1	+30 to +130	+/- 1.4	0.1	272 x 83 x 42	390		202
Calibrator	-	-	-	-	-		103