

Data sheet
testo 810



Infrared temperature measuring instrument (2-channel)

testo 810

Handy pocket-sized combi instrument for non-contact measurement of the surface temperature and air temperature measurement

1-point laser measurement point marking and 6:1 optics

Hold-function, display of max./min. values and the difference between air and surface temperature

Settable emissivity

Display illumination

Incl. protective cap for safe storage, wrist strap and beltholder



Illustration 1:1

The testo 810 is a handy temperature measuring instrument which measures air temperature, and simultaneously surface temperature by infrared. For example, the temperature of a radiator, an air outlet or a window can be easily and conveniently compared to the air temperature in the room. The difference between air and surface temperature is automatically displayed.

Thanks to its handy design, the testo 810 is quickly to hand and easy to stow, for example in a trouser pocket. The infrared measurement is carried out with a 1-point laser measurement spot marking and 6:1 optics. The emissivity can be individually set depending on the application, and with the help of the min./max. function, the minimum and maximum values are shown in the display.

Technical data / Accessories

testo 810

testo 810, 2-channel temperature measuring instrument with infrared thermometer with laser spot marking and integrated NTC air thermometer incl. protective cap, Batteries, belt holder and calibration protocol

Part no. 0560 0810



General technical data

Distance to measurement spot	6:1
Meas. spot marking	1-point laser
Emissivity	Adjustable 0.2 to 0.99
Spectral range	8 to 14 µm
Operating temperature	-10 to +50 °C
Battery type	2 AAA micro batteries
Battery life	50 h (average, without display illumination)
Dimensions	119 x 46 x 25 mm (incl. protective cap)
Weight	90 g (incl. battery and protective cap)
Protection class	IP40

Sensor types

	Infrared	NTC
Measuring range	-30 to +300 °C	-10 to +50 °C
Accuracy ±1 digit	±2.0 °C (-30 to +100 °C) ±2% of m.v. (remaining range)	±0.5 °C
Measurement rate	0.5 s	0.5 s
Resolution	0.1 °C	0.1 °C

Accessories for measuring instrument

Part no.

Adhesive tape, e.g. for reflective surfaces (roll, L.: 10 m, W.: 25 mm), ε = 0.95, temperature resistant to +250 °C	0554 0051	
Belt holder	0516 4007	
ISO calibration certificate/temperature, infrared thermometers, calibration points -18°C, 0°C, +60°C	0520 0401	
ISO calibration certificate/temperature, infrared thermometer; calibration points +60°C; +120°C; +180°C	0520 0002	
ISO calibration certificate/temperature; for air/immersion probes, calibration points -8°C; 0°C; +40°C	0520 0181	

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