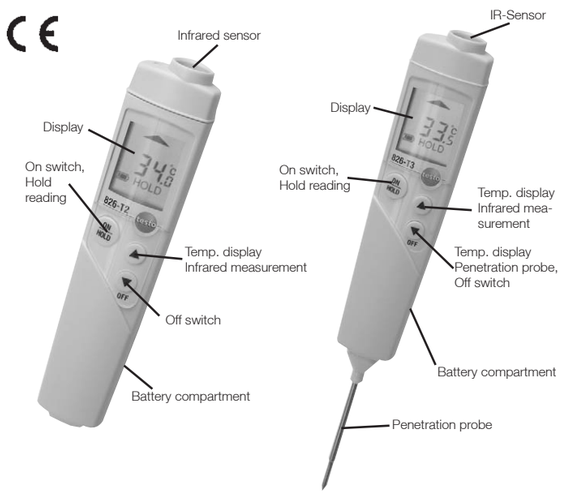
testo 826-T1, T3
testo 826-T2, T4

Instruction manual en



The measuring instrument conforms with 2004/108/EEC. The instruments were tested in the 27-1000 MHz frequency range. The parameters specified cannot be guaranteed in high frequency ranges.

Technical Data

General

Storage temperature	-40 °C...+70 °C; -40 °F...+158 °F
Including optical alarm	
testo 826-T1/T3 Operating temperature	0 °C...+50 °C; +32 °F...+120 °F
testo 826-T1/-T3 Battery type	2 x lithium 2032
Battery life	100 h
testo 826-T2/T4 Operating temperature	-20 °C...+50 °C; -4 °F...+120 °F
testo 826-T2/-T4 Battery type	2 x AAA round cells
Battery life	15 h - Continuous operation - laser
Including audible alarm	
Warranty	/2 years

Infrared measurement

Measuring range	-50 °C...+300 °C; -58 °F...+572 °F
Resolution	0.5 °C, 0.9 °F
Accuracy (±1 digit)	±1.5 °C (-20...100°C); ±2 °C or 2% of m.v. (remaining range)[1] ±2.7 °F (-4...212°F); ±3.5 °F or 2% of m.v. (remaining range)[1]
Emission factor	0.95...1.00
Opening ratio	6:1[2]

Laser

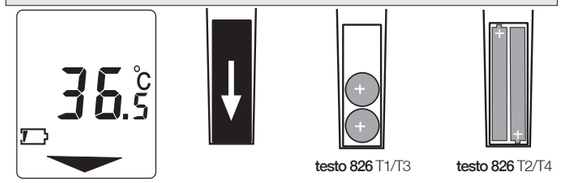
Wavelength	645 to 660 nm
Power	< 1 mW
Class	2
Standard	DIN EN 60825-1:2001-11

[1] the larger value applies
[2] + Opening diameter of sensor (12mm)

Accessories

Note:
The IP 67 protection class is guaranteed only inside the closed TopSafe.If the instrument is kept immersed for a longer period of time, apply grease to inside openings of TopSafe (see arrows).

Changing the battery



Battery needs to be changed.
Observe correct polarisation of batteries/rechargeable batteries.

Instructions

Laser radiation! Do not look into laser beam.

Not suitable for diagnostic measurements in the medical sector!

The following components of the product are designed for continuous contact with foodstuffs in accordance with the regulation (EC) 1935/2004: The measurement probe up to 1 cm before the probe handle or the plastic housing. If provided, the information about penetration depths in the instruction manual or the mark(s) on the measurement probes should be noted.

Contact measurement

testo 826-T3/-T4 Measuring range	-50 °C...+230 °C; -58 °F...+446 °F
Resolution	0.1 °C; 0.1 °F
Accuracy (±1 digit)	±0.5°C (-30 to +99,9 °C) ± 1°C or ± 1% of m.v.(remaining range)[1] ±0.9 °F (-22 to +212 °F) ± 1.8 °F or ± 1% of m.v.(remaining range)[1]

The warranty is invalid if instruments are inexpertly handled.....

To be observed when measuring the penetration temperature:
- Minimum penetration depth >10 mm to achieve accurate values.
- Use the pre-borer supplied when measuring the core temperature in frozen food (**testo 826 T3/T4**). Then place the measuring tip in the object to be measured.
- Risk of injury from measuring tip (**testo 826 T3/T4**).
- Maximum ambient and operating temperature (e.g. protect instrument from sunlight)

To be observed during infrared measurement:
- The instrument needs an adaptation time of 15 minutes for infrared measurement if the ambient temperature changes (change of location, e.g. measurement inside/outside).
- In the case of shrinkwrapped foodstuffs, do not measure in air pockets.
- If there is dirt, dust, frost etc. on the surface, only the top layer will be measured, i.e. the dirt.
- Keep infrared lens clean - do not measure with a clouded lens.

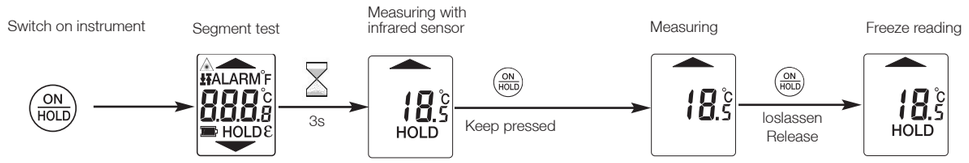
Avoid:
- Use in corrosive acids or alkalines.
- Measurements on live parts (**testo 826 T3/T4**).
- Heat on the heat sensor.
- Dirt on the lense.

Cleaning the lense:
- Clean with cotton buds (made moist with water) or with compressed air.

With TopSafe testo 826 - T 3 / T 4 complies with guidelines in accordance with the EN 13485 standard.
Suitability: S, T (storage, transport)
Environment: E (transportable thermometer)
Accuracy class: 0.5
Measurement range: -50 to +230 °C
According to EN 13485, the measuring instruments should be checked and calibrated regularly under the terms of EN 13486 (Recommended: Yearly).Contact us for more information.

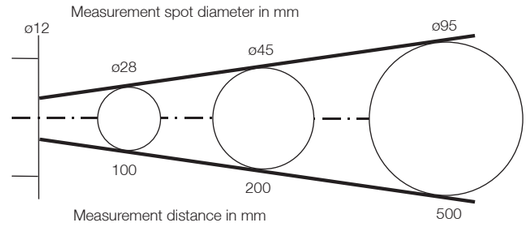
Operation

Infrared measurement

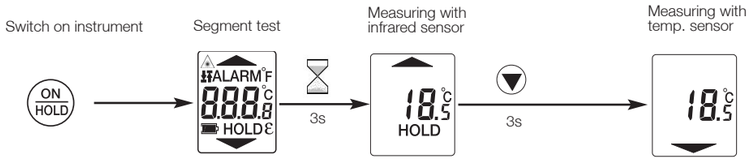


Measurement spot, distance

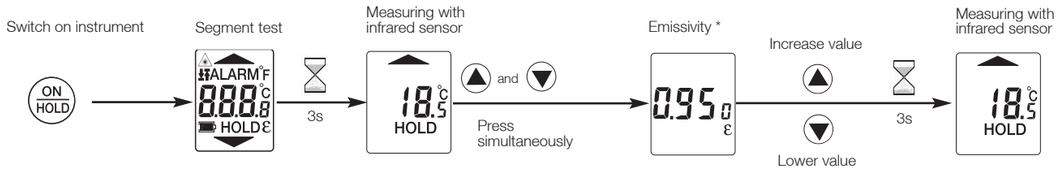
A specific spot is measured depending on the distance of the instrument from the object being measured.



Contact measurement - testo 826-T3/T4

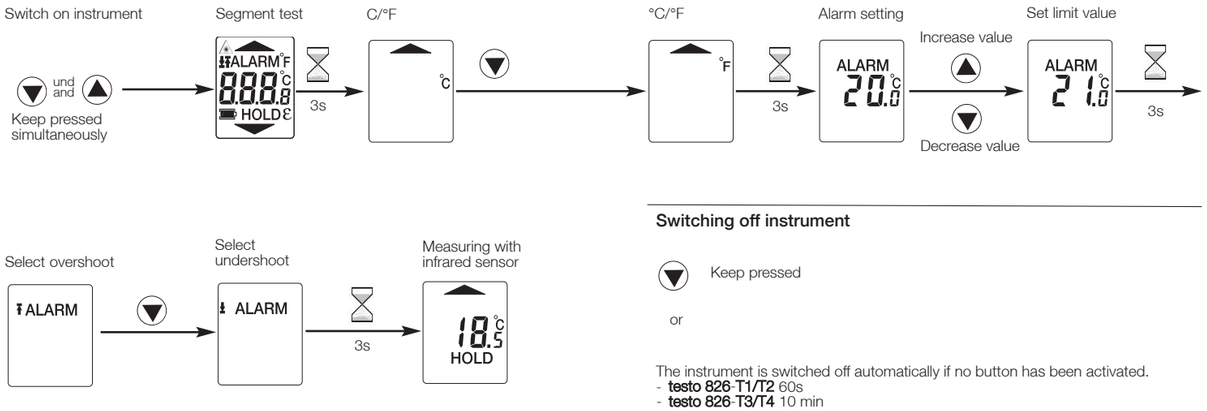


Determining emissivity



* Measurements: ε=0.95 Calibration ε=1.00 (with black emitter)

Settings



Switching off instrument

Keep pressed

or

The instrument is switched off automatically if no button has been activated.
- **testo 826-T1/T2** 60s
- **testo 826-T3/T4** 10 min