

testo 830-T4, non-contact temperature measurement on small surfaces at a large distance

testo 830-T4

The universal infrared thermometer with 30:1 optics makes it possible to measure temperatures at a safe distance from the object being measured. The spot diameter at a distance of 1 m is only 3.6 cm.

The 2-point laser marks the diameter of the spot thereby preventing areas outside the object from being measured.

With a resolution of 0.1 °C, even the smallest differences in temperature can be detected and dynamic temperature processes analysed.

- 30:1 optics for measuring temperature at a distance, even on small objects
- 2-point laser for spot sighting
- Display of current value and Hold value
- Emissivity determination with external temperature probe
- Audible and optical alarm when limit values are exceeded
- Fast measurement value recording at two measurements per second
- Display illumination



Temperature measurement with external probe

Checking temperature on a compressor

testo 830-T4

testo 830 T4, IR temperature measuring instrument with 30:1 optics and 2-point laser measurement spot sighting, incl. battery and factory calibration certificate with the meas. points +80 °C and +350 °C

Part no. 0560 8304

Set testo 830-T4

testo 830-T4 set, consisting of testo 830-T4 with protective leather case, incl. cross-band surface probe, battery and factory calibration certificate with the measurement points +80 °C and +350 °C



Part no. 0563 8304

Technical data	Infrared thermometer	Contact measurement (Type K)
Meas. range	-30 to +400 °C	-50 to +500 °C
Accuracy ±1 digit at +23 °C ambient temperature	±1,5 °C (-20 to 0 °C) ±2 °C (-30 to -20,1 °C) ±1 °C or 1% of mv (remaining range)	±0,5 °C or 0,5% of mv
Resolution	0,1 °C	0.1 °C
Measuring rate	0,5 s	
Oper. temp.	-20 to +50 °C	
Storage temp.	-40 to +70 °C	
Emissivity	Adjustable 0.2 to 1.0	
Spectral range	8 to 14 µm	
Battery type	9V block battery	
Battery life	15 h	
Dimensions	190 x 75 x 38 mm	
Optical resolution D:S	30:1 (typical at a distance of 0.7 m to the measurement object) 24 mm @ 700 mm (90 %)	

Accessories Ordering data

Part no.

Adhesive tape e.g. for polished surfaces (roll, 10 m long, 25 mm wide), E = 0.95, temperature resistant up to +300°C	0554 0051
Leather case to protect measuring instrument, including belt holder	0516 8302
Fast-action surface probe with sprung thermocouple strip, also for uneven surfaces, measurement range short-term to +500°C, TC Type K	0602 0393
ISO calibration certificate/temperature, infrared thermometer; calibration points +60°C; +120°C; +180°C	0520 0002
ISO calibration certificate/temperature, meas. instr. with surface probe; calibration points +60°C; +120°C; +180°C	0520 0071

testo 830-T4, 2-point laser for spot sighting

30:1 optics

