Be sure. **testo**

Infrared temperature measuring instrument

testo 831 – Infrared thermometer for distance measurements

Non-contact measurement of surface temperature, ideally suitable for the food sector

2-point laser measurement point marker and 30:1 optics

Exact measurements even at greater distances
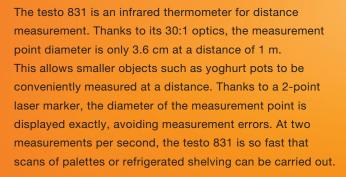
Large measuring range from -30 to +210 °C

Hold-function and display of min./max. values

Two adjustable alarm limit values

Also available as a set with the core thermometer testo 106

°C

HACCP INTERNATIONAL
FOOD SAFETY
PROGRAMME
CERTIFICATION

IP30

The testo 831 is an infrared thermometer for distance measurement. Thanks to its 30:1 optics, the measurement point diameter is only 3.6 cm at a distance of 1 m. This allows smaller objects such as yoghurt pots to be conveniently measured at a distance. Thanks to a 2-point laser marker, the diameter of the measurement point is displayed exactly, avoiding measurement errors. At two measurements per second, the testo 831 is so fast that scans of palettes or refrigerated shelving can be carried out.

Set testo 831 and testo 106
For certain temperature measurements in the food sector, it is necessary to carry out an additional core temperature measurement. For this purpose, Testo offers an economic set consisting of the testo 831 and the proven core thermometer testo 106.

Technical data / Accessories

testo 831

testo 831, infrared thermometer, 2-point laser sighting, 30:1 optics, leather case incl. belt holder, batteries and calibration protocol

Part no. 0560 8316

Set with testo 831 and testo 106

Set with testo 831 and testo 106: infrared thermometer, leather case incl. belt holder, batteries and calibration protocol.
testo 106 penetration thermometer, incl. TopSafe, belt holder, incl. batteries

Part no. 0563 8315

Sensor type	Infrared
Measurement parameter	°C / °F
Measuring range	-30 to +210 °C
Accuracy ±1 digit	±1,5 °C or ±1,5% of m.v. (-20 to +210 °C) ± 2 °C or ±2% of m.v. (remaining range)
Resolution	0,1 °C
Spectral range	8 to 14 µm

General technical data	
Measurement rate	0,5 s
Distance to measurement spot Laser type 2-point laser	30:1 (typically at distance of 1.0 m from measurement object)
Emissivity	Adjustable 0.1 to 1.0
Operating temperature	-20 to +50 °C
Storage temperature	-40 to +70 °C
Battery type	9V block battery
Battery life	15 h
Display	Illuminated LCD
Protection class	IP30
Dimensions	190 x 75 x 38 mm
Weight	200 g
Standard	DIN EN 60825-1:2001-11 CE guideline 2004/108/EC
Housing	ABS

Accessories for measuring instrument	Part no.	
ISO calibration certificate/temperature, infrared thermometers, calibration points -18°C, 0°C, +60°C	0520 0401	
ISO calibration certificate temperature, Infrared thermometers, calibration points 0°C, +60°C	0520 0452	
9V rech. battery for instrument, instead of battery	0515 0025	
Leather case to protect measuring instrument, including belt holder	0516 8302	

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