Termometru pentru siguranta alimentara, 104-IR

Multi-purpose infrared and penetration thermometer

testo 104-IR – Multi-scanning with penetration control



- One product, two purposes: Infrared and penetration thermometer
- Fits in any jacket pocket thanks to its folding mechanism
- Precise 2-point laser with 10:1 optics displays the exact measuring range and guarantees error-free measurements
- High-quality, robust folding joint for rough work projects
- Waterproof (IP65) and HACCP-compliant

EN 13485

The testo 104-IR is a waterproof (IP65) penetration thermometer combined with an infrared sensor for non-contact temperature measurement. It can be used for all sorts of applications in the food sector. The testo 104-IR scans the surface temperature of individual foods or entire goods pallets without contact, particularly in the Incoming Goods department. If a limit value is exceeded or undershot, the hinged penetration probe is also able to measure the core temperature.
The multi-purpose instrument is handy and practical, because it fits into any jacket pocket. The penetration probe is always securely stowed on the instrument itself. As soon as the probe is opened up, the display is activated. And the IR measurement starts at the touch of a button. Thanks to the large display, it is really easy to read the measurement result.
The few buttons are self-explanatory and any user will find it easy to operate them. No time-consuming measurements, no complicated handling, no compromises. Supply consumers with exclusively flawless goods using the testo 104-IR.

Technical data

testo 104-IR

testo 104-IR, infrared/penetration thermometer, waterproof, folding, incl. batteries and calibration protocol

Part no. 0560 1040



Sensor type	NTC
Measuring range	-50 to +250 °C
Accuracy ±1 digit	±1 °C (-50.0 to -30.1 °C) ±0.5 °C (-30.0 to +99.9 °C) ±1% of m.v. (remaining range)
Resolution	0.1 °C
t_{99}	10 s (measured in moving liquid)
Measurement rate	0,5 s

Sensor type	Infrared
Measuring range	-30 to +250 °C
Accuracy ±1 digit	±2.5 °C (-30.0 to -20.1 °C) ±2.0 °C (-20.0 to -0.1 °C) ±1.5 °C or ±1.5% of m.v. (remaining range)
Resolution	0,1 °C
Measurement rate	0,5 s
Optics	10:1 + opening diameter of the sensor (12 mm)
Meas. spot marking	2 point laser
Spectral range	8 to 14 µm
Emissivity	0.10 to 1.00 (0.01 steps)
Laser marking	on / off

General technical data

Measurement value	temperature °C/°F/°R
Measurement mode	Hold or auto hold (immersion probe)
Operating temperature	-20 to +50 °C
Storage temperature	-30 to +50 °C
Battery type	2 AAA micro batteries
Battery life	10 h
Display	LCD, single line, illuminated, with status line (°C,°F,°R, battery, hold/auto hold, min, max, laser, measurement, emissivity)
Protection class	IP65
Dimensions	281 x 48 x 21 mm (probe folded out) 178 x 48 x 21 mm (probe not folded out)
Housing material	ABS / TPE / PC, diecast zinc, stainless steel
Weight	197 g (incl. batteries)
Standard	EN 13485
Warranty	2 years

Accessories

	Part no.	
ISO calibration certificate/temperature for air/immersion probes, calibration point -18°C	0520 0061	
ISO calibration certificate/temperature for air/immersion probes, calibration point 0°C	0520 0062	
ISO calibration certificate/temperature For air/immersion probes, calibration points -18°C; +60°C	0520 0043	
ISO calibration certificate/temperature for air/immersion probes, calibration points -18°C; 0°C; +60°C	0520 0001	
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	

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