Data sheet testo 104-IR



Multi-purpose infrared and penetration thermometer

testo 104-IR - Multi-scanning with penetration control

Ideal for applications in the food sector

One product, two purposes: Infrared and penetration thermometer

Fits into any pocket thanks to folding mechanism

High-quality, robust folding joint for tough working use

Precise 2-point laser with 10:1 optics shows the exact measurement area, allowing error-free measurements

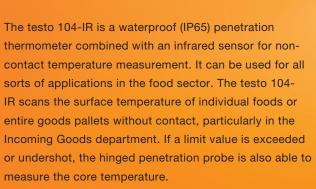
Emissivity freely selectable

Watertight (IP65) and HACCP-compliant









The multi-purpose instrument is handy and practical, because it fits into any jacket pocket. The penetration probe

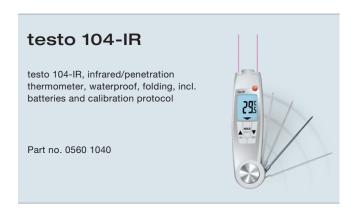


The few buttons are self-explanatory and any user will find it easy to operate them. No time-consuming measurements, no complicated handling, no compromises. Supply consumers with exclusively flawless goods using the testo 104-IR.





Technical data



Accessories

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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	

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. (+100 to +250 °C)	
Resolution	0.1 °C/°F/°R	
Response time	t ₉₉ = 10 s (measured in moving liquid)	
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

temperature °C/°F/°R	
Hold or auto hold (immersion probe)	
-20 to +50 °C	
-30 to +70 °C	
2 AAA micro batteries	
10 h (at +25 °C)	
LCD, single line, illuminated, with status line (°C,°F,°R, battery, hold/auto hold, min, max, laser, measurement, emissivity)	
IP65	
281 x 48 x 21 mm (probe folded out) 178 x 48 x 21 mm (probe not folded out) 106 mm / Ø 3 mm 32 mm / Ø 2.3 mm	
ABS / TPE / PC, diecast zinc, stainless steel	
197 g (incl. batteries)	
EN 13485	



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