

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

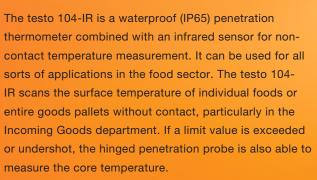
Emissivity freely selectable

Watertight (IP65) and HACCP-compliant

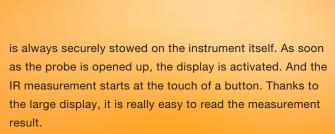








The multi-purpose instrument is handy and practical, because it fits into any jacket pocket. The penetration probe



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

| Part | no. |
|------|-----|
|------|-----|

| ISO calibration certificate/temperature for air/immersion probes, calibration point -18°C | 0520 0061 | |
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| 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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