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Technical Specification Infrared Thermometer Hi Temp 1800

Infrared thermometer with a wide temperature range / adjustable emission ratio / large display / thermocouple input

The infrared thermometer Hi Temp 1800 measures surface temperatures over a wide temperature range. Additional notable benefits of the infrared thermometer are its very short reaction time (< 1 sec.) and the non-contact IR technology. This makes the infrared thermometer ideal for checking temperatures on rotating or current-carrying parts. The device is also well suited for use in the food industry, due to the non-contact measurements, which prevent spread of germs.

- Type K thermocouple input
- Large backlit display
- Laser pointer for aiming
- Wide temperature range: IR: +100...+1800°C / Thermocouple: -64...+1370°C
- HOLD-, MAX-, MIN-, DIF-, AVG-function
- Adjustable emission ratio
- Acoustic and visual alarm function (HI-LOW)
- Switchable between °C and °F

Technical specifications

Optical Resolution 100:1

Measurement range +100...+1800°C

Type K thermocouple: -64...+1370°C

Resolution 0.1°C (< 1000°C) / 1 °C (1000+ °C)

Accuracy Infrared: ±2% or 2°C, whichever is larger

Type K thermocouple: ±1% or 1°C, whichever is higher

Spectral range 2,3 - 5 µm

Features HOLD/MAX/MIN/DIF/AVG/LOCK-Function, adjustable

emission ratio 0.10...1.00, switchable between °C and °F,

laser pointer, backlight, alarm function, type K

thermocouple input

Operating temperature 0°C...+50°C

Life of Battery 40 hours of non-stop operation (typical)

Battery 2 x 1.5 Volt AA

Dimensions 233,8 x 207,5 x 60,6 mm

Weight 1,350 g (incl. package)

Delivery contents

1 x infrared thermometer Hi Temp 1800, 1 x instruction manual