

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