

Infrared Non-Contact High Temp Thermometer 12:1 / 1742°F

A high quality, non-contact infrared high temperature thermometer with laser sight, emissivity adjustment and color display.



The Infrared Thermometer Gun 12:1 / 1742°F with Color LCD makes high temperature measurements easy and precise with its 12:1 ratio and large scale. Its ergonomic design and backlit display provide user-friendly operation, while high and low temperature alarms and measurement storage add convenience. With a laser sight for easy aiming, this thermometer is perfect for professionals seeking accuracy and efficiency. The unit is extremely comfortable to use - simply aim the laser sight at the point being tested.

The device is constructed of high-quality materials and the ergonomic design fits comfortably in your hand. The backlit color display allows you to work with the device even in the dark. The pyrometer is equipped with an automatic shut-off function to save battery life, and an emissivity setting from 0.10 to 1.00 for material-specific accuracy.

- Laser pointer & ergonomic design for precise targeting and comfortable handling
- High-quality workmanship & easy operation for durability and user-friendly controls
- Accurate temperature measurement with a measuring distance ratio of 12:1
- Backlit display & auto-off function for visibility in low light and battery conservation
- Multiple measurement modes: MAX (maximum), MIN (minimum), DIF (temperature difference), AVG (average)
- High & low-temperature alarms (HAL/LAL) with audible alerts when set values are reached
- Measurement storage for up to 30 results

Includes: thermometer/pyrometer, 2 AA batteries, cloth carrying pouch and instructions.

Dimensions: 6.75" x 4.25" x 2.0" (172 x 111 x 50 mm)

Weight: 8 oz (222 g)



Specifications

Temperature Range	-0°C~950°C (-58°F~1742°F)
Accuracy	0°C~950°C (-58°F~1742°F): $\pm 1.5^{\circ}\text{C}(\pm 2.7^{\circ}\text{F})$ or $\pm 1.5\%$ -50°C~0°C(-58°F~32°F): $\pm 3^{\circ}\text{C}(\pm 5^{\circ}\text{F})$ Whichever is greater
Resolution	0.1°C or 0.1°F
Repeatability	1% of reading or 1°C
Response time	500 mSec, 95% response
Spectral response	8 μm ~14 μm
Emissivity	0.10~1.00 Adjustable (0.95 Preset)
Distance to Spot size	12:1
Operating Temperature	0°C ~40°C (32°F ~ 104°F)
Operating Humidity	10%RH~95%RH non-condensing, up to 30°C(86°F)
Storage Temperature	-20°C ~ 60°C (-4°F~140°F)
Power	9V Alkaline or NiCd battery
Typical battery life (Alkaline)	Non-laser mode: 22 hrs; Laser Models:12 hrs
Weight	222g
Dimension	111*50*172mm



No.	Description
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| 800131 | Infrared Non-Contact High Temp Thermometer 12:1 / 1742°F |
| 800131C | Infrared Non-Contact High Temp Thermometer 12:1 / 1742°F (With NIST Traceable Certificate of Compliance) |