

Handheld Digital Infrared Thermometer

Description

The OS310-series handheld digital IR thermometer is used for non-contact temperature measurement of metals, ceramics, graphite, etc. in temperature ranges between -50°C (-58°F) and 1650°C (3002°F). This portable battery powered unit has a 50:1 field of view, displays current temperature as well as minimum, maximum, average and differential temperatures. The large 50:1 field of view is perfect for hazardous applications where the user can't get close to the target area or for applications where the target size is smaller but far away. The OS310-Series additional features include a backlit LCD display, adjustable emissivity, alarm settings and a single laser dot to help locate the target.

Features

- Dual Range Display
- Min/Max/Avg Memory
- Max-Min Difference Memory
- High/Low Temperature Alarm
- Low Batter Display
- 2 Selectable Temperature Units: $^{\circ}\text{C}/^{\circ}\text{F}$
- Display Hold Button

Specifications

Temperature Range	-50 to 1650°C (-58 to 3002°F)
Accuracy	-50 to 0°C (-58 to 32°F): $\pm 3^{\circ}\text{C}$ ($\pm 5^{\circ}\text{F}$) 0 to 1650°C (32 to 3002°F): $\pm 1.5\%$ or 1.5°C ($\pm 2.7^{\circ}\text{F}$)
Field of View	50:1
Repeatability	Less than 1/3 of basic error
Response Time	<250 ms
Spectral Response	8 – 14 μm
Emissivity	Adjustable 0.1 to 1.0
Operating Range	0 - 40°C (32 - 104°F)
Relative Humidity	10 -95% RH non-condensed
Storage Temperature	-20 - 50°C (-4 - 122°F)
Weight	270g (9.5 oz)
Dimensions	5.6 x 7.9 x 2.4 in (141 x 200 x 60 mm)
Power	9V Battery (included)

Model No.	Description
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OS-310-501	Handheld Infrared Thermometer, 50:1 Field of View, -50 to 1650°C
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Comes complete with 9V battery, hard case and manual.

