

Essential Infrared Thermometer with 12:1 FOV, -32 to 530°C Temperature Range

Description

The OS303-Series essential infrared thermometer boasts 12 to 1 field of view, -32 to 530°C temperature range and $\pm 2\%$ accuracy above 0°C. This series device is great for non-contact measurement of surfaces that are far away and very high temperatures. Unit used for applications such as asphalt, oil, rubber, concrete and many more. The 12:1 field of view, or distance to spot ratio, allows for precise measurement even from a longer distance.

Features

- -32 to 530°C (-26 to 986°F) temperature range
- Fixed emissivity at 0.95
- 500 ms response time
- Auto power off feature
- Offset adjustment
- Single laser sighting for accurate targeting



Specifications

Temperature Range	-32 - 530°C (-26 - 986°F)
Accuracy	$\pm 2^\circ\text{C}$ or 2%, whichever is greater
Field of View	12:1
Repeatability	1% of reading or 1°C
Response Time	500 ms (95% response)
Spectral Response	5 – 14 μm
Emissivity	Fixed 0.95
Operating Temperature Range	0 - 50°C (32 - 120°F)
Relative Humidity	10 -95% RH
Storage Temperature	-20 - 60°C (-4 - 140°F)
Weight	145g
Dimensions	5.98 x 5.12 x 1.50 in (152 x 130 x 38 mm)
Power	9V Battery
Estimated Battery Life	16 Hours

Model No.	Description
OS-303-121	Essential infrared thermometer, 12:1 FOV, -32 to 530°C

Comes complete with 9V battery and operator's manual.