OMEGA™

Infrared Thermometer with Adjustable Emissivity

The OS1300-Series handheld infrared thermometer is a non-contact temperature sensing thermometer. It has a wide temperature range of -50 to 1300°C (-58 to 2372°F). This thermometer features a backlit display which is automatically illuminated when the trigger is pulled and allows working in poor or zero-lighting conditions. The single laser is also automatically active when the trigger is pulled. The laser sight can be turned on and off with the press of a button. The laser is located above the IR sensor to locate the center of the area being measured. The field of view is 16:1. The thermometer constantly updates the temperature measurement as long as the trigger is held in and will "hold" on the last temperature seen when the trigger is released. The OS1300-Series has adjustable emissivity, min, max, and averaging functions, as well as high and low alarm capability. This safely measures surface temperatures of hot, hazardous, or hard-to-reach objects without contact.

Features

- **Measurement range: -50 to 1300°C (-58 to 2372°F)**
- **16:1 field of view**
- **Adjustable Emissivity: 0.10 to 1.00**
- **Laser sighting and backlight LCD display**
- **"Hold" function retains the last reading**
- **Fast response time of 500 ms**
- **Min, Max, Average and Differential readings**
- **High and Low Alarm**
- **Auto-power off to save on battery life**

Specifications

Measurement Range	-50 to 1300°C (-58 to 2372°F)
Accuracy	3% of rdg +3°C, -50 to 0°C (-58 to 32°F) 2% of rdg +2°C, above 0°C
Display Resolution	0.1°C or 0.1°F
Response Time	500 ms (95% response)
Spectral Response:	8 to 14 microns
Emissivity	Adjustable 0.10 to 1.00
Field of View	16:1
Power	9V alkaline battery
Battery Life	12 hours typical (with laser use)
Dimensions	5.74 x 3.14 x 1.49 in (146 x 80 x 38 mm)
Weight	130 g (4.5 oz) without battery

Model No.   Description

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OS1300-161	Performance handheld infrared thermometer, 16:1 FOV, -50 to 1300°C

Comes complete with 9V battery