

Non-con industrial thermometers Infrared Thermometer GM300

A. Introduction

This infrared thermometer is used for measuring the temperature of the object's surface, which is applicable for various hot, hazardous or hard-to-reach objects without contact safely and quickly.

This unit consists of Optics, Temperature sensor signal amplifier, processing circuit and LCD display. The optics collect the infrared energy emitted by the object and focus it onto the sensor. Then the sensor translates the energy into an electricity signal. This signal will be turned out to be digital shown on the LCD after the signal amplifier and processing circuit.

B. Functions:

1. Celsius / Fahrenheit switchable
2. Equipped with a laser for aiming
3. Temperature hold
4. LCD backlight
6. Light weight and easy operation

C. Specification

Temperature Range	-50°C~380°C(-58°F~716°F)
Accuracy	*0°C~380°C(32°F~716°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	8~14 μm
Emissivity	0.95 Preset
Distance to Spot size	12:1
Operating Temperature	0°C~40°C(32°F~104°F)
Operating Humidity	10~95% RH non-condensing up to 30°C(86°F)
Storage Temperature	-20~60°C(-4°F~140°F)
Power	9V battery
Typical battery life	Non-laser mode: 22 hrs; Laser mode: 12 hrs
Weight	147.5g
Dimension	153x101x43mm

