

## FEATURES

- Rapid detection function
- Precise non-contact measurements
- Dual laser sighting
- Unique flat surface, modern housing design
- IP54 rated for dust/water proof
- 2m drop tested
- Automatic Data Hold
- Emissivity Digitally adjustable from 0.10 to 1.0
- MAX, MIN, AVG, DIF temperature displays
- Backlit LCD display
- Automatic selection range and Display Resolution 0.1°C(0.1°F)

## RS PRO Infrared Thermometer

RS Stock No.: 206-8741



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

# Infrared Thermometer

## Product Description

This is capable of non-contact (infrared) temperature measurements at the touch of a button. The built-in laser pointer increases target accuracy while the backlight LCD and handy push-buttons combine for convenient, ergonomic operation. The non-contact Infrared Thermometers can be used to measure the temperature of objects' surface that is improper to be measured by traditional (contact) thermometer (such as moving object, the surface with electricity current or the objects which are uneasy to be touched.) Proper use and care of this meter will provide years of reliable service.

## General Specifications

<b>Model Number</b>	RS-833	
<b>Temperature Range</b>	-50 to 650° C(-58° F ~ 1202° F)	
<b>Best Accuracy</b>	-50 ~ 20° C(-58° F ~ 68° F)	± 3.5° C(6.3° F)
	20° C ~300° C(68° F ~572° F)	± 1.0% ±1.0° C(1.8° F)
	300° C ~650° C(572° F ~ 1202° F)	± 1.5%
<b>Display Type</b>	LCD with a backlight	
<b>Distance to Spot Ratio</b>	12:1	
<b>Response Time</b>	150ms	
<b>Spectral response</b>	8 to 14 um	
<b>Emissivity</b>	Digitally adjustable from 0.10 to 1.0	
<b>Display resolution</b>	0.1°C (0.2°F)	
<b>Repeatability (% of reading)</b>	-50~20° C(-31~68° F): ± 1.8° C(3.2° F)	
	20~650° C(68~1202° F): ± 0.5% or ± 0.5° C(0.9° F)	
<b>Hold Temperature Reading</b>	7 to 10 Seconds	
<b>Temperature Scale</b>	Both	
<b>Auto Capture</b>		
<b>Flashlight</b>	Yes	
<b>Low Battery Indication</b>	Yes	
<b>Over range indication</b>	Yes	
<b>Auto Power Off</b>	Yes	
<b>Internal memory</b>		
<b>Applications</b>		
<b>Calibration Availability</b>		

# Infrared Thermometer

## Electrical Specifications

**Battery Included** Yes

**Battery Type** AAA

**Battery Life**

## Mechanical Specifications

**Dimensions** 170X50X85 mm

**Length** 170mm

**Width** 50mm

**Height** 85mm

**Weight** 238g

## Environmental Specifications

**Drop Test** 2 m

**Operating temperature** 0 to 50° C (32 to 122° F)

**Storage temperature** - 10 to 60° C (14 to 140° F)

**Operating humidity** 10%~90%RH operating, <80%RH storage

**Operating altitude** 2000 meters above mean sea level

## Protection Category

**IP Protection** IP 54

**Laser safety** IEC 60825-1 Class 2, 630-670 nm, < 1 mW

## Additional Information

**EAN**

**Custom Tariff Number** 9025191000

## Approvals

**Compliance/Certifications** CE

**Declarations**

**Hazardous Area Certification**