Infrared Thermometer

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 0.1ºC(0.1ºF)

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

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

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	