

FEATURES

- Rapid detection function
- Precise non-contact measurements
- Circular 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)
- Set high and low alarms

RS PRO Infrared Thermometer

RS Stock No.: 206-8742



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-836	
Temperature Range	-50 to 1000° C(-58° F ~ 1832° F)	
	-50 ~ 20° C(-58° F ~ 68° F)	± 3.5° C(6.3° F)
Best Accuracy	20° C ~300° C(68° F ~572° F)	± 1.0% ± 1.0° C(1.8° F)
	300° C ~1000° C(572° F ~ 1832° F)	± 1.5%
Display Type	LCD with a backlit	
Distance to Spot Ratio	20:1	
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): ±1.8°C(3.2°F) 20~1000°C(68~1832°F): ±0.5% or ±0.5°C(0.9°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 170X50X95 mm

Length 170mm

Width 50mm

Height 95mm

Weight 248g

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 IP54

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