

## FEATURES

- Dual input
- Thermocouple simulation mode for cross calibration checking
- Can also be used for temperature measurement
- Dual display
- mV measurement or simulation capability
- Waterproof casing
- Supplied with shock resistant rubber boot

## RS PRO Thermocouple Thermometer/Simulator

RS Stock No.: 204-8417



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.

## Product Description

A high accuracy thermocouple instrument with a thermocouple simulation feature for cross checking other thermocouple instruments calibration accuracy. This instrument is compatible with most thermocouple probes and thermometers.

The thermometer features a dual input and a dual display which allows the user to view the simulated temperature and outputted temperature. When these coincide, this instrument is ready for use.

## General Specifications

<b>Series</b>	RS PRO
<b>Model Number</b>	204-8417
<b>Thermometer Type</b>	Handheld
<b>Probe Type</b>	J / K / E / N / T / R / S / IR
<b>Number of Temperature Inputs</b>	Dual (one for simulation output)
<b>Absolute Maximum Temperature Measurement</b>	1372°C
<b>Temperature Scale</b>	Centigrade/Fahrenheit
<b>Display type</b>	LCD
<b>Resolution</b>	0.1° to 1000°
<b>Best Accuracy</b>	±0.1% of reading ±0.2°C
<b>Temperature Coefficient</b>	0.01% of reading /°C
<b>Temperature Scale</b>	ITS-90
<b>Data Storage Memory</b>	No
<b>Minimum/Maximum Recordings</b>	No
<b>Automatic Shut-Off</b>	10 Min (user configurable)
<b>Intrinsically Safe</b>	No
<b>RF Communications</b>	No
<b>RF Communication range</b>	No
<b>Calibrated Certificate</b>	No
<b>Operating Temperature</b>	-40°C to 50°C
<b>Storage Temperature</b>	-40°C to 50°C
<b>Operating Humidity</b>	0% to 70% RH
<b>Applications</b>	Food Industry / HVAC / Industrial /Medical

### Electrical Specifications

<b>Battery Type</b>	9V PP3
<b>Battery Life</b>	Greater than 200 hours (alkaline)
<b>Plug Type</b>	Mini thermocouple

### Mechanical Specifications

<b>Housing Material</b>	ABS
<b>Dimensions</b>	130 x 70 x 33 mm
<b>Length</b>	130 mm
<b>Width</b>	70 mm
<b>Height</b>	33 mm
<b>Weight</b>	155 g

### Protection Category

<b>IP Protection</b>	Waterproof
<b>Pollution Degree</b>	Dustproof enclosure

### Additional Information

<b>EAN</b>	5060379945697
<b>Custom Tariff Number</b>	902519980

### Classification

<b>eCl@ss Version</b>	32-12-033-06
<b>UNSPSC Version</b>	41112213

### Approvals

<b>Compliance/Certifications</b>	CE
<b>Declarations</b>	No
<b>Hazardous Area Certification</b>	No

### Similar Products

Stock No.	Brand	Product Name	Thermometer Type	Absolute Maximum Temperature Measurement	Probe Type
204-8410	RS PRO	Single input thermocouple thermometer	Single input thermocouple	1372°C	None included
204-8413	RS PRO	Legionella thermometer	Thermocouple legionella thermometer	1372°C	None included
204-8415	RS PRO	Multifunction thermometer	Thermocouple multifunction	1372°C	None included
204-8411	RS PRO	Barcode scanning thermometer	Thermocouple integral barcode scanner	1372°C	None included
204-8412	RS PRO	Data logging thermometer	Thermocouple data recorder	1372°C	None included

### Accessories Included

- User manual
- 1 x 9V PP3 battery
- Shock resistant rubber boot