

FEATURES

- °C/°F switchable
- Resolution of 0.1° to 1000° autoranging
- Switchable thermocouple types K/T/J/R/N/E/S
- Infra red sensor compatibility
- Full retention of thermocouple type and temperature scale
- User configurable auto switch off capability
- Easy to use software calibration
- Overrange/open circuit sensor indication
- Low battery indication
- Supplied complete with shock resistant rubber boot
- Waterproof casing

RS PRO Single Input Thermocouple Thermometer

RS Stock No.: 204-8410



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

An easy to use, low cost high accuracy microprocessor based thermocouple instrument with a measurement range of -200 to +1372°C and an operating range of -30 to 50°C.

This thermometer is suitable for use with a wide range of thermocouple probes and can be used for almost any application where high accuracy temperature measurement is required. As thermocouples are very flexible, this thermometer can be used for monitoring extremely low or high temperatures.

General Specifications

Series	RS PRO
Model Number	204-8410
Thermometer Type	Handheld
Probe Type	J / K / E / N / T / R / S / IR
Number of Temperature Inputs	One
Absolute Maximum Temperature Measurement	1372°C
Temperature Scale	Centigrade/Fahrenheit
Display type	LCD
Resolution	0.1° to 1000°
Best Accuracy	±0.1% of reading ±0.2°C
Temperature Coefficient	0.01% of reading /°C
Temperature Scale	ITS-90
Data Storage Memory	No
Minimum/Maximum Recordings	No
Automatic Shut-Off	10 Min (user configurable)
Intrinsically Safe	No
RF Communications	No
RF Communication range	No
Calibrated Certificate	No
Operating Temperature	-40°C to 50°C
Storage Temperature	-40°C to 50°C
Operating Humidity	0% to 70% RH
Applications	Food Industry / HVAC / Industrial /Medical

Electrical Specifications

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

Mechanical Specifications

Housing Material	ABS
Dimensions	130 x 70 x 33 mm
Length	130 mm
Width	70 mm
Height	33 mm
Weight	155 g

Protection Category

IP Protection	Waterproof
Pollution Degree	Dustproof enclosure

Additional Information

EAN	5060379945178
Custom Tariff Number	90251980

Classification

eCI@ss Version	32-12-03-06
UNSPSC Version	41112213

Approvals

Compliance/Certifications	CE
Declarations	No
Hazardous Area Certification	No

Similar Products

Stock No.	Brand	Product Name	Thermometer Type	Absolute Maximum Temperature Measurement	Probe Type
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
204-8417	RS PRO	Thermocouple simulator/thermometer	Thermocouple simulator	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