

FEATURES

- High accuracy K type thermocouple material throughout
- Ideal for the core measurement of semi-solid products
- Supplied with 1m cable
- Terminated with moulded mini plug

RS PRO K Type Needle Temperature Probe (115 x 3.3mm)

RS Stock No.: 204-8395



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

This K type thermocouple sensor is manufactured with a bulbous handle for ease of penetration into semi-solid products and 1m durable polyurethane cable, terminated with a moulded mini thermocouple plug. The probe features a robust needle tip and is ideal for monitoring food products.

General Specifications

Series	RS PRO
Probe Type	Penetration
Probe Tip type	Needle
Sensor Type	K Type Thermocouple
Minimum Temperature Measurement	-50°C
Maximum Temperature Measurement	600°C
Response Time	3 secs (96% of value on clean metal)
Best Accuracy	±1.5°C (±0.25%)
Accuracy Class	Class I
Connector Type	Mini plug
Operating Temperature	-50 to 600°C
Storage Temperature	-20 to 80°C
Applications	Food, Industrial

Mechanical Specifications

Probe Diameter	3.3mm
Probe Length	115mm
Probe Sheath Material	316SS
Mounting Style	Handheld
Process Connection	N/A
Cable Length	1m
Cable Insulation Material	Polyurethane

Protection Category

IP Rating	Waterproof
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Additional Information

EAN	5060379945437
Custom Tariff Number	90259000

Classification

eCI@ss Version	32-12-03-90
UNSPSC Version	41112219

Accessories

RS PRO Stock No.:	Accessory Description	Image

Similar Products

Parameters	255-572	255-516	342-8833	342-8855	342-9195	342-8849	342-8861
Probe Type	Needle	Needle	Needle	Needle	Corkscrew	Needle	Needle
Sensor Type	K type thermocouple	K type thermocouple	K type thermocouple	K type thermocouple	T type thermocouple	T type thermocouple	T type thermocouple
Temperature Measurement Range	-100 to 280°C	-100 to 280°C	-100 to 280°C	-50 to 200°C	-100 to 280°C	-100 to 280°C	-100 to 280°C
Response Time	1.6 secs (96% of value in water)	7.0 secs (96% of value in water)	1.6 secs (96% of value in water)	1.6 secs (96% of value in water)	7.0 secs (96% of value in water)	1.6 secs (96% of value in water)	0.7 secs (96% of value in water)
Connector Type	Mini plug	Mini plug	Mini plug	Mini plug	Mini plug	Mini plug	Mini plug
Dimensions	300 x 3.3mm	300 x 6mm	155 x 3.3mm	100 x 6mm	150 x 6mm	115 x 3.3mm	110 x 6mm
Mounting Style	Handheld	Handheld	Handheld	Handheld	Handheld	Handheld	Handheld
Process Connection	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Cable Length	2m coiled cable	2m coiled cable	2m coiled cable	2m coiled cable	2m coiled cable	2m coiled cable	2m coiled cable