

Hand Held Thermocouples

TMS Europe is a manufacture of thermocouple temperature sensors and offers a wide range of probes from. We can also manufacture bespoke thermocouple to meet your requirements.

Our hand-held thermocouple probes are suitable for general use, such as in labs, R&D and light industrial applications. They are typically used in conjunction with our range of digital thermocouple thermometers. The probe's sheath is of Mineral Insulated (MI) construction, which is fairly rigid, but also can be bent or curved to shape by hand as required.

Type K Hand-held Thermocouple 3mm dia.

Temperature Range (Tip)*:
Continuous: 0 - 1100°C*
Short Term: -180 - +1350°C*
Accuracy: Manufactured with Class 1 Tolerance MI thermocouple material.
Probe Diameter: 3mm
Sheath Material: Grade 310 Stainless Steel
Flexible Lead: Curly (coiled) lead extending to 1m
Connector: Moulded miniature size plug



TMS Stock Code	Description
PROBEHHK150CURLMINI	Type K Hand-held Thermocouple, 3mm dia., 150mm sheath length
PROBEHHK300CURLMINI	Type K Hand-held Thermocouple, 3mm dia., 300mm sheath length
PROBEHHK500CURLMINI	Type K Hand-held Thermocouple, 3mm dia., 500mm sheath length

Type N Hand-held Thermocouple 3mm dia.

Temperature Range (Tip)*:
Continuous: 0 - 1100°C*
Short Term: 0 - 1300°C*
Accuracy: Manufactured with Class 1 Tolerance MI thermocouple material.
Probe Diameter: 3mm
Sheath Material: Inconel (Nickel/Chromium/Iron alloy)
Flexible Lead: PVC flat lead, 1m long
Connector: Miniature size plug



TMS Stock Code	Description
PROBEHNN5001MMINI	Type N Hand-held Thermocouple, 3mm dia., 500mm sheath length
PROBEHNN10001MMINI	Type N Hand-held Thermocouple, 3mm dia., 1m sheath length

Any Prices Exclude VAT and Delivery.

Specification and price subject to change without notice. Appear may vary from image(s) shown. All trade marks acknowledged.

Type T Hand-held Thermocouple 3mm dia.

Temperature Range (Tip)*:

Continuous: -250 - +400°C*
Short Term: -185 - +300°C*

Accuracy: Manufactured with Class 1 Tolerance
 MI thermocouple material.
Probe Diameter: 3mm
Sheath Material: Grade 321 Stainless Steel
Flexible Lead: PVC flat lead, 1m long
Connector: Miniature size plug



TMS Stock Code	Description
PROBEHHT1501MMINI	Type T Hand-held Thermocouple, 3mm dia., 150mm sheath length
PROBEHHT3001MMINI	Type T Hand-held Thermocouple, 3mm dia., 300mm sheath length

All models are colour coded to IEC 60584-3:2007 / BS EN 60584-3:2008.

For details of thermocouple colour codes and manufacturing accuracy tolerance, see our website:
<http://tmseurope.co.uk/applications/thermocouple-rtd-colour-codes-tolerances#thermocouple-materials-accuracy-tolerances>

* Note: Heat will be conducted through the sheath to the handle and its maximum temperature is 100°C. This limits temperature and/or duration in some circumstances, especially on the shorter lengths.

Many more types of thermocouples are also available from stock:



TMS Europe also sells a range of digital thermocouple thermometers from stock, which are suitable for these and other thermocouples.



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