

Thermocouple Probes Omega

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Handheld Thermocouples and Surface Probes Omega offers unique surface probes to measure almost any surface. From the 88000/98000 Series handle roller styles to the high-temp foundry style probe, we have the surface thermocouples to meet the most challenging measurement requirements.

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Home » Temperature » Thermocouples » Special Purpose Thermocouple Probes Special Purpose Thermocouple Probes These specialty sensors and assemblies include low cost hollow-tube, epoxy coated and handle style thermocouples, profile probes for calibration, industrial styles, autoclave probes, rugged penetration probes, wall mount sensors, and much more!

[Special Purpose Thermocouple Probes - OMEGA](#)

Thermocouple Probes with Attached Connectors Thermocouples with integral connectors are ideal for applications requiring sensors that can be easily disconnected. These probes are typically metal sheathed and are available in a variety of diameters, lengths, thermocouple types, and connector styles.

[Thermocouple Probes with Attached Connectors - OMEGA](#)

The most common thing you ' ll have to replace on your thermocouple assemblies is the thermocouple probes. At Omega, we carry a wide selection of thermocouple probes to choose from. From heavy duty bolt-on probes and transition joint probes to compact probes and bayonet-style probes, you ' ll find the parts you need to complete or repair your application at Omega and for less.

[Thermocouple Probes | sensors and sensing equipment](#)

OMEGA™ Exotic Thermocouple Probes are designed for use in extreme temperatures, up to 2315 ° C (4200 ° F). These probes utilize either Platinum/Rhodium (types R, S, or B) or Tungsten/Rhenium (types G, C, or D) elements, with a variety of insulations and sheath materials. Depending upon the sheath material selected, these probes may be used in inert, oxidizing, reducing or vacuum conditions.

[Very High Temperature Thermocouple Probes - OMEGA](#)

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If you need a calibration certificate for your thermocouple probes, Omega Calibration Services can provide you with one. Contact us. How to choose a thermocouple. Determine the application where the thermocouple sensor will be used; Analyze the probe ranges the thermocouple will be exposed to

[What is a thermocouple and how does it work? - OMEGA](#)

A thermocouple is a sensor that measures temperature. It consists of two different types of metals, joined together at one end. When the junction of the two metals is heated or cooled, a voltage is created that can be correlated back to the temperature. A thermocouple is a simple, robust and cost-effective temperature sensor used in a wide range of temperature measurement processes.

[Thermocouple probes - Omega Engineering](#)

Handheld Thermocouples, Surface Temperature Probes, Surface Thermocouples Omega offers unique surface temperature probes to measure almost any surface. From the 88000/98000 Series handle roller styles to the high-temp foundry style probe, we have the surface thermocouples to meet the most challenging measurement requirements.

[Thermocouples - Omega Engineering](#)

Product Specs. Product Details. The molded miniature probe conveniently plugs directly into most handheld thermocouple meters. The color-coded, retractable cable will stretch from 12" to 48". The probe is ideal for use with handheld meters. The grounded junction probes are also suited for applications with benchtop meters and with oscillating machines.

Thermocouple Probes with Retractable Cable| Omega Engineering

The OS36AP-Series extends the range of applications for infrared sensors with thermocouple outputs to situations which require the sensor to be mounted remotely from the target. In addition to the ruggedness and ease-of-use of the original OS36-Series, the OS36AP-Series is hermetically sealed and is equipped with an internal air cool/purge system.

Built-in Air Purge IR Sensor with Thermocouple Output

OMEGA ' s TJ36 Thermocouple Probes Series for heavy duty transition joint probes offers convenient termination to PFA coated lead wire. Order online.

Omega TJ36 SERIES Thermocouple Probe - Transition Joint

Home » Automation » Sensors and Transducers » Thermocouples and Thermocouple Probes Thermocouples and Thermocouple Probes Ruggedized thermocouples well suited for industrial environments.

Thermocouples and Thermocouple Probes - Omega Engineering

Utility Thermocouple Handle Probes KHSS-316G-RSC-12 KHSS-316G-RSC-12. Write a review. Made with Special Limits of Error Material. Molded Handle Rated to 220 ° C (425 ° F) Retractable Cable with Superior Memory Expands to 1.5 m (5 Ft.) Subminiature Connector for Use with Handheld Thermometers. 300, 450 and 600 mm (12, 18 and 24") Lengths Standard– Custom Lengths Available.

Handheld Thermocouple Probes with Retractable Cable| Omega

Sheathed thermocouple probes are available with one of three junction types: grounded, ungrounded or exposed. At the tip of a grounded junction probe, the thermocouple wires are physically attached to the inside of the probe wall. This results in good heat transfer from the outside, through the probe wall to the thermocouple junction.

Thermocouples - Omega Engineering

Omega is one of the leading providers of thermocouple and RTD wire and cable. We have everything from PFA insulated thermocouple wire to high-temperature M12 extension cables. Shop our inventory today to find the right wires and cables you need to complete your thermocouple installation or repair.

Thermocouple and RTD Wire and Cable - Omega Engineering

Description OMEGA™ Exotic Thermocouple Probes are designed for use in extreme temperatures, up to 2315 ° C (4200 ° F). These probes utilize either Platinum/Rhodium (types R, S, or B) or Tungsten/Rhenium (types G, C, or D) elements, with a variety of insulations and sheath materials.

High Temperature Exotic Thermocouple Probes, Tantalum ...

Thermocouple Probes with Low Noise High Temperature Standard Size Connectors, Model numbers HGJQIN, HGKQIN, HGTQIN, HGEQIN, HGJQSS, HGKQSS, HGTQSS, HGEQSS SHOP NOW » HH911T-HH912T

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