# OKAZAKI THERMOCOUPLE

## **Molded Thermocouple with a Small Diameter and a Fluororesin** Okazaki's technical capability, which has realized ø0.06 mm Coating

(the narrowest diameter class in the world), further expands the possibilities of temperature measurement.

Okazaki's fluororesin-coated, small-diameter thermocouples not only insulate their small-diameter thermocouple wires with fluororesin but also enclose these wires in a sheath. Multiple types are available: Characteristics a type in which the measuring junction is exposed and types that are insulated with fluororesin or silicone rubber. After coating with fluororesin, the Ø0.06 mm elements have an outer diameter of approximately  $0.22 \times 0.49$  mm, which places these products in the class of the most narrow products in the world (according

to Okazaki's research). These products are optimal for measuring temperatures in extremely narrow spaces. ø0.1 mm and ø0.32 mm products are also available. Products with fluororesin-coated measuring junctions are airtight and have excellent corrosion resistance. The models with exposed measuring junctions are optimal for measuring the temperatures of gases and solid surfaces. The insulated types are optimal for measurements in water and in locations where electrical insulation is necessary. We can manufacture the Ultra-Fine Type as small as ø0.06 mm.



These products are molded using Teflon as the raw material, which makes it possible to perform measurements in water and in locations where electrical insulation is necessary.





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Note: All the models listed above can be manufactured with the measuring junction exposed.



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Information in this catalog is subject to change without notice.

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