OKAZAKI THERMOCOUPLE

Molded Thermocouple with a Small Diameter and a Fluororesin Coating Further expanding temperature measurement possibilities with an element outer diameter of just Ø0.025 mm.



This product is a thermocouple with its thermocouple wires insulated with fluororesin. It can be supplied with the measuring jucntion exposed or insulated with fluororesin or silicon rubber. Excellent for use in extremely narrow spaces as the sheath outer diameter after coating can be as small as just 0.1mm.

The fluororesin molded type has sufficient airtightness and excellent corrosion resistance. While the fluororesin molded type is ideal for temperature measurements in water or wherever electrical insulation is needed, the exposed tip type is best suited for temperature measurements of gases and solid surfaces.



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Specifications

EXS Narrow-Diameter FEP-Coated Thermocouple						See table below					
T801-1 Ultra-Fine PFA-Coated Thermocouple						EXS Uniform-Diameter Coated Thermocouple					
Silicon Rubber Coated (Outer diameter: Approximately ø1.0 mm) Measuring Junction			PFA Molded (Outer diameter: Approximately ø1.0 mm) Measuring Junction			FEP or PFA Molded /(Outer diameter: Same as outer diameter of coating)					
Note: Not suitable for use in pressurized environments which require airtightness as silicon rubber coating is just simply applied on the measuring junction. Note: Airtightness of approximately 0.01 MPa. Due to the coating method, the outer diameter of the tip is comparatively large at approx φ1.0mm, which makes this product not ideal for measurement in extremely small locations. Note: Airtightness of approximately 0.01 MPa.										Inction	
T801-0 Super Ultra-Fine Coating Thermocouple L L Measuring Junction Note: This model features separate positive (+) and negative (-) sides.								ss 1			
Model	Element	Coating	Maximum	Finishe			Element				
	outer diameter	material	usage temperature	outer diamete	er	with uniform diameter	к	Е	J	т	
T801-0	0.025mm	PFA	180°C	0.1mm (2 wires)			0	_	—	—	
T801-1	0.06mm	PFA	180°C	0.31×0.49mm			0	-	_	0	
T801-2	0.1mm	PFA	260°C	0.42×0.68mm		0	0	-	_		
EXS	0.2mm	PFA	260°C	0.9×1.4m	nm	0	0	-	_		
EXS	0.32mm	FEP	200°C	1.02×1.69	mm	0	0	0	0	0	

* Refer to the general thermocouple catalog for details on model selection.

FEP

0.65mm



OKAZAKI MANUFACTURING COMPANY HEAD OFFICE/KOBE JAPAN

EXS

TEL: +81 78 251 8200 FAX: +81 78 251 8210 URL: https://www.okazaki-mfg.com E-mail: jp-sales@okazaki-mfg.com (from Japan) sales@okazaki-mfg.com (from overseas)

Information in this catalog is subject to change without notice.

TOKYO BRANCH

200°C

TEL: +81 3 5641 0200 FAX: +81 3 5641 9100

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ARi Industries, Inc., USA

1.7×2.8mm

TEL: +1 630 953 9100 FAX: +1 630 953 0590 URL: https://www.ariindustries.biz E-mail: sales@ariindustries.com

Okazaki Manufacturing Company UK Limited TEL: +44 (0)2920 814333 URL: https://www.okazaki-mfg.co.uk

E-mail: sales@okazaki-mfg.co.uk

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