



AMI provide series of Thermocouple applied on temperature measure sensor, which working long with the temperature transfer, adjuster and display and compose the process control system. Thermocouple is widely used in various industrial productions.

AMI Thermocouple has advantages of high accuracy, good stability, wide measuring range, high temperature upper limit, easy operation, good mechanical strength and long working life.

Please select suitable model for your application.

Technical Parameters of AMI® Thermocouple

1. Temperature Range: 0~1800°C
2. Accuracy: $< \pm 0.5\% t$
3. Time Constant: $\leq 180s$
4. Insulation Resistance: $5M\Omega$ (@ 20°C)
5. Standard Size: 400,500, 800, 1000, 1200(mm); customized size is available.
6. Dia. of the thermocouple thread: 0.2-2.0mm, allowed tolerance: -0.015mm.
7. Application and Tolerance of main models:



Model	Material	Upper Temp.	Available Temp.	Recommended Temp.	Allowed Tolerance Δt °C
S	Pt90Rh10- Pt	0~1600°C	0~1300°C	1000~1300°C	$\pm 1.5^\circ\text{C}$ or $\pm 0.25\%t$
R	Pt87Rh13- Pt	0~1600°C	0~1300°C	1000~1300°C	$\pm 1.5^\circ\text{C}$ or $\pm 0.25\%t$
B	Pt70Rh30- Pt94Rh6	0~1800°C	0~1600°C	1200~1600°C	$\pm 1.5^\circ\text{C}$ or $\pm 0.25\%t$
K	Ni90Cr10- Ni97Si3	0~1300°C	0~1100°C	0~1000°C	$\pm 2.5^\circ\text{C}$ or $\pm 0.75\%t$
T	Cu- Cu45Ni55	-200~350°C	-200~300°C	-200~0°C	$\pm 2.5^\circ\text{C}$ or $\pm 0.75\%t$
J	Fe- Cu45Ni55	-200~1200°C	-200~900°C	0~750°C	$\pm 2.5^\circ\text{C}$ or $\pm 0.75\%t$
N	Ni84.4Cr14.2Si1.4- Ni9.5Si4.4Mg0.1	-200~1300°C	-200~900°C	0~900°C	$\pm 2.5^\circ\text{C}$ or $\pm 0.75\%t$
E	Ni90Cr10- Cu55Ni45	-200~900°C	-200~900°C	0~800°C	$\pm 2.5^\circ\text{C}$ or $\pm 0.75\%t$

Welcome to contact us for more details.

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