

Model A series probes are general-purpose temperature sensors designed to measure the temperatures of stationary surfaces. The head of the AX tilts $\pm 4^\circ$, allowing for stable measurement when in contact.



Surface temperature measurement of mold 模具的温度管理

A·AX系列产品适用于静止不动的表面温度测量。头部大小和材质等可根据测量条件进行选择。传感器响应速度最快为1.5秒,并且可使用 7.5万次以上,耐久性能高。

AX系列为接触辅助型产品,头部可±4°摆动,密切追随•接触被测物,减少姿势误差,更准确的测量温度。

Typical probes of A/AX series 典型产品













How to order of A/AX series 选型



※1 Not manufacturable (A-*4*■-00-0)

*2 Contact plate direction of right angle.

※3 Not manufacturable (A-**2■-00-0, A-**3■-00-0, A-**4■-00-0, A-**5■-00-0, A-**6■-00-0, A-**7■-00-0)







① Thermocouple type 热电偶种类

MC BINIT X

% Select the same type of thermocouple as thermometer.





Grip type 握柄



Cable type and length 导线种类和长度

Outer diameter	Heat resistant 240°C		
φ4mm			
	22/2/28		

* Standard Specifications : 1m

The cable length can be specified each 0.5m.

📵 Plug



Model number #1 Thermocouple type Temp. range #2		A-*1* AX-*1*	A-*2* AX-*2*	A-*3* AX-*3*	A-*4* AX-*4*	A-*5* AX-*5*	A-*6* AX-*6*	A-17*	
		Type K or E							
		-50~300°C	-50~400°C	-50~500°C	-50~800°C	-50~200°C	-50~300°C	-50~500%	
Tolerance #3	-50°C	±2.5℃	±2.5℃	±2.5℃	±2.5℃	±2.5℃	±2.5℃	±2.5℃	
	0'0	±2.5℃	±2.5℃	±2.5℃	±2.5℃	±2.5℃	±2.5℃	±2.5℃	
	100°C	±2.5℃	±2.5℃	±2.5℃	±2.5℃	±2.5℃	±2.5℃	±2.5℃	
	200°C	±2.5℃	±2.5℃	±2.5℃	±2.5℃	±4.0°C	± 4.0°C	±2.5℃	
	300°C	±2.5℃	±2.5℃	±2.5℃	±2.5℃	-	± 6.0°C	±2.5℃	
	400°C		±3.0°C	±3.0℃	±3.0°C	14	1	±3.0°C	
	500°C	-	-	±3.8℃	±3.8'C	-		±3.8℃	
	000°C	-	-		±9.0°C	-	- 1 4	-	
	700°C	#3	-	5 40 1	±10.5℃	-	-	8 — 0	
	800°C	T .)	~	576	±16.0℃	1	1000	-	
	Tolerance calculation method t: Temperature (°C)	A/AX-*1*, A/AX-*2*, A/AX-*3*, A/AX-*4 At within temperature range 1)-50°C $\leq t < -40°C : \pm 2.5°C$ 2)-40°C $\leq t \leq 500°C : \pm 2.5°C \text{ or } \pm (0.0075 \times t)°C$, whichever is greater 3) 500°C < t $\leq 700°C : \pm (0.015 \times t)°C$ 4) 700°C < t $\leq 800°C : \pm (0.02 \times t)°C$ A/AX-*5*, A/AX-*6* At within temperature range 1)-50°C $\leq t < -40°C : \pm 2.5°C$ 2)-40°C $\leq t \leq 300°C : \pm 2.5°C \text{ or } \pm (0.02 \times t)°C$, whichever is greater							
Response time #4		1.5s	1.5s	1.5s	1.5s	3.5s	3.5s	1.5s	
Movable range of the head (only AX)		±4*							
Pipe material		Stainless (SUS316)							
Durability *s		A (More than 75,000 contacts)							
Grip material		Polyacetal							

Specifications of A/AX series 规格

** 1 The asterisk (*) is replaced by the number of the model name you selected. The model number after thermocouple type is omitted.

%2 The operating temperature limit is determined by the allowable temperature limit of the sensor head contacts the measurement target. Note that the operating temperature limit is not the same as the allowable temperature limits of the grip, cable, and plug.

%3 Tolerance is available at -50°C or above within the operating temperature on a stationary flat and smooth metal surface. For tolerance at temperature not listed in the above table, please refer to calculation method of tolerance.

%4 The response time is the time required to detect 99% of the true value on a flat and smooth metal surface.

%5 Number of contacts enabling measurement within the tolerance range on a flat and smooth metal surface at a temperature of 300°C (or at the operating temperature limit if the operating temperature limit is below 300°C)