

Magnet Probes

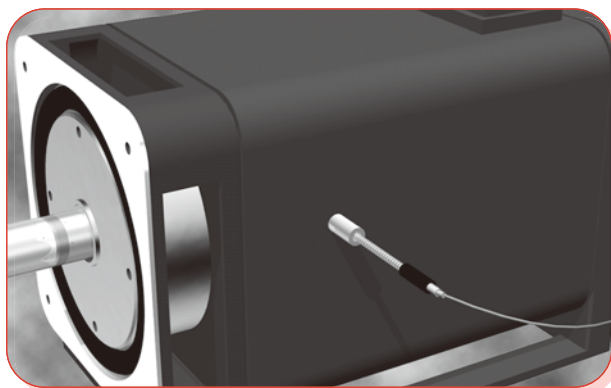
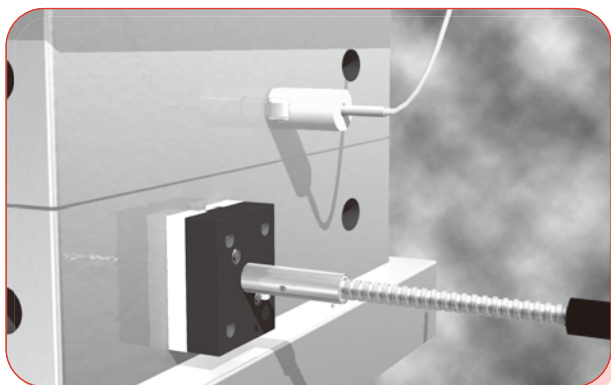
Model MG series

磁铁型

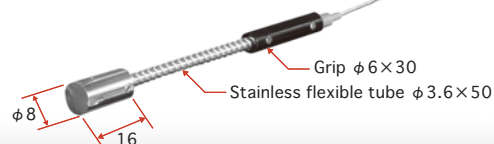
MG系列



- Model MG series are temperature probes designed for stationary surfaces. Built-in magnets allow these probes to be attached to measurement targets.
- Specific components may be combined to customize products for the needs of a customer's specific application.
- MG 系列产品是内部装有磁石的静止表面用温度传感器，可固定在测试对象上测试温度。
- 通过组合各个规格的组件，可以按照客户的用途进行个性选配。



new model



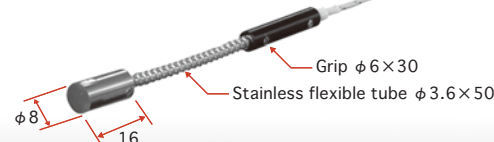
mm

Type K model : **MG-33K-TA1-ANP**

Type E model : **MG-33E-TA1-ANP**

Temp. range 测量范围	Tolerance 精度	Response time 响应速度
-50~250℃	±2.5℃ (at 100℃ surface / 100℃表面)	2s

new model



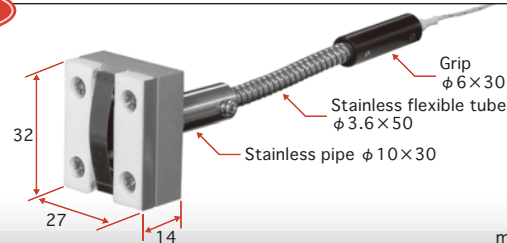
mm

Type K model : **MG-34K-GW1-ANP**

Type E model : **MG-34E-GW1-ANP**

Temp. range 测量范围	Tolerance 精度	Response time 响应速度
-50~400℃	±2.5℃ (at 100℃ surface / 100℃表面)	2s

new model



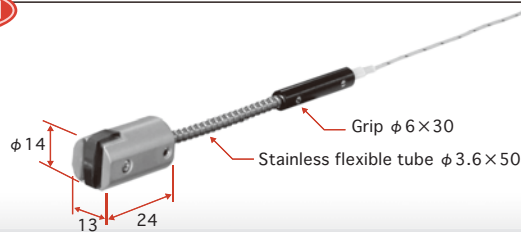
mm

Type K model : **MG-14K-GW1-ANP**

Type E model : **MG-14E-GW1-ANP**

Temp. range 测量范围	Tolerance 精度	Response time 响应速度
-50~400℃	±2.5℃ (at 100℃ surface / 100℃表面)	2s

new model

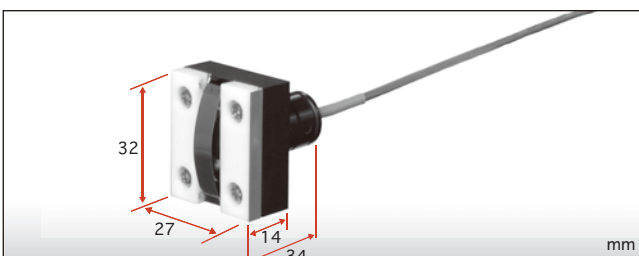


mm

Type K model : **MG-24K-GW1-ANP**

Type E model : **MG-24E-GW1-ANP**

Temp. range 测量范围	Tolerance 精度	Response time 响应速度
-50~400℃	±2.5℃ (at 100℃ surface / 100℃表面)	2s

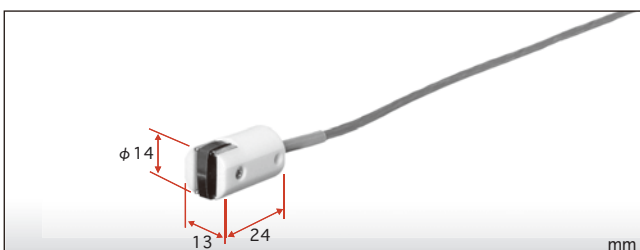


mm

Type K model : **MG-11K-TS1-ANP**

Type E model : **MG-11E-TS1-ANP**

Temp. range 测量范围	Tolerance 精度	Response time 响应速度
-50~250℃	±2.5℃ (at 100℃ surface / 100℃表面)	2s



mm

Type K model : **MG-21K-TS1-ANP**

Type E model : **MG-21E-TS1-ANP**

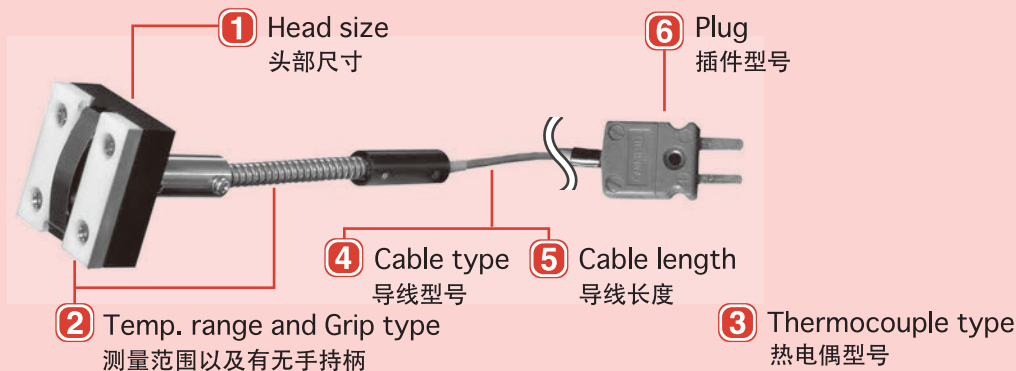
Temp. range 测量范围	Tolerance 精度	Response time 响应速度
-50~250℃	±2.5℃ (at 100℃ surface / 100℃表面)	2s



安立計器株式会社
ANRITSU METER CO.,LTD.



How to order 如何选择



MG - 13K - TS1 - ANP

① ② ③ ④ ⑤ ⑥

How to order

① Head size 头部尺寸	1	□27×32mm
	2	φ 14mm
	3	φ 8mm
② Temp. range and Grip type 测量范围以及有无手持柄	1	-50 ~ 200°C no grip (无手持柄)
	2	-50 ~ 400°C no grip (无手持柄)
	3	-50 ~ 200°C standard grip (标准手持柄)
	4	-50 ~ 400°C standard grip (标准手持柄)
③ Thermocouple type 热电偶型号	K	Chromel-Alumel
	E	Chromel-Constantan
④ Cable type 导线型号	TS	φ 2.3mm Silicone rubber insulated cable (硅胶) (for MG-11, MG-13, MG-21, MG-23)
	GW	1.2×1.7mm Glass fiber insulated cable (玻璃纤维) (for MG-12, MG-14, MG-22, MG-24, MG-34)
	TA	φ 0.9mm Teflon insulated cable (铁氟龙) Maximum 3 meters (for MG-33)
⑤ Cable length 导线长度	1	1m
	2	2m
	3	3m
	⋮	⋮
⑥ Plug 插件型号	ANP	Miniature plug
	ASP	Anritsu standard plug
	W	Without plug
	WT3	Spade terminal for φ 3mm
	WT4	Spade terminal for φ 4mm
	WT5	Spade terminal for φ 5mm
	WC3	Ring terminal for φ 3mm
	WC4	Ring terminal for φ 4mm
	WC5	Ring terminal for φ 5mm

Specifications

Model number 型号	MG-11K MG-11E MG-13K MG-13E	MG-12K MG-12E MG-14K MG-14E	MG-21K MG-21E MG-23K MG-23E	MG-22K MG-22E MG-24K MG-24E	MG-33K MG-33E	MG-34K MG-34E
Thermocouple type 热电偶型号	Type K or E					
Temp. range 测量范围	-50 ~ 250°C	-50 ~ 400°C	-50 ~ 250°C	-50 ~ 400°C	-50 ~ 250°C	-50 ~ 400°C
Tolerance 精度 ^{※1}						
0°C ≤ t ≤ 100°C	±2.5°C	±2.5°C	±2.5°C	±2.5°C	±2.5°C	±2.5°C
100°C < t ≤ 200°C	±3.1°C	±3.1°C	±3.1°C	±3.1°C	±3.1°C	±3.1°C
200°C < t ≤ 300°C	±4.0°C 250°C or less	±5.0°C	±4.0°C 250°C or less	±5.0°C	±4.0°C 250°C or less	±5.0°C
300°C < t ≤ 400°C	—	±7.2°C	—	±7.2°C	—	±7.2°C
Response time 响应速度 ^{※2}	2 s					
Durability 耐久性 ^{※3}	More than 50,000 contacts					
Guard material 头部材质	Teflon	LOSSNA-BOARD	Teflon	Polyimide	Stainless SUS304	Stainless SUS304
Body material 本体材质	Phenol Resin	Sumika super			Stainless SUS303	Stainless SUS303

※1 Tolerance is available at 0°C or above within the operating temperature on a stationary flat and smooth metal surface.

为测量 0°C 以上的静止光滑金属表面温度的精度。

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

响应速度是指，测量 0°C 以上的静止光滑金属表面温度时达到 99% 的温度显示的速度。

※3 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)

在精度要求范围内，用机器制动测量 (300°C 或测量范围上限温度的) 静止光滑金属表面温度时，所能测量的次数。

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