

Model **MG** series

Magnet Probes

Model MG series probes are temperature sensors 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模式系列

MG模式系列产品是内部装有磁石的静止表面用温度感应器，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。

モデルMGシリーズは、内蔵した磁石により測定対象に固定できる静止表面用温度センサです。

各パーツの仕様を組み合わせる事により、お客様の用途に合わせてカスタマイズする事が出来ます。

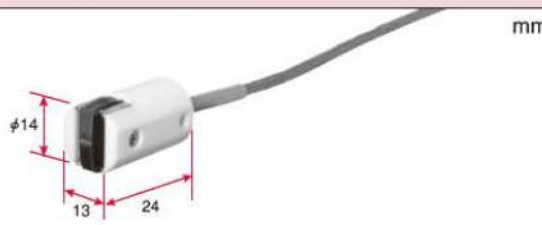
Typical probes of MG series

Type K Model **MG-11K-TS1-ANP**
Type E Model **MG-11E-TS1-ANP**



Temp. range	Tolerance	Response time	Durability
-50~250°C	±2.5°C (at 100°C surface)	2.0 s	A

Type K Model **MG-21K-TS1-ANP**
Type E Model **MG-21E-TS1-ANP**



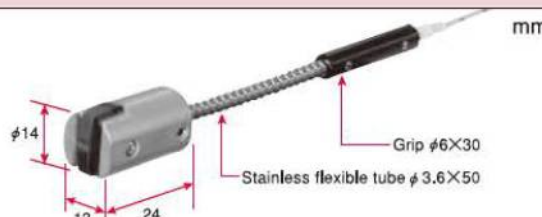
Temp. range	Tolerance	Response time	Durability
-50~250°C	±2.5°C (at 100°C surface)	2.0 s	A

Type K Model **MG-14K-GW1-ANP**
Type E Model **MG-14E-GW1-ANP**



Temp. range	Tolerance	Response time	Durability
-50~400°C	±2.5°C (at 100°C surface)	2.0 s	A

Type K Model **MG-24K-GW1-ANP**
Type E Model **MG-24E-GW1-ANP**



Temp. range	Tolerance	Response time	Durability
-50~400°C	±2.5°C (at 100°C surface)	2.0 s	A

Type K Model **MG-33K-TA1-ANP**
Type E Model **MG-33E-TA1-ANP**



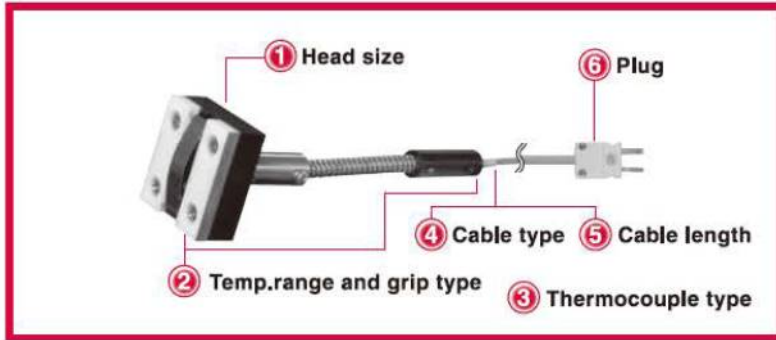
Temp. range	Tolerance	Response time	Durability
-50~250°C	±2.5°C (at 100°C surface)	2.0 s	A

Type K Model **MG-34K-GX1-ANP**
Type E Model **MG-34E-GX1-ANP**



Temp. range	Tolerance	Response time	Durability
-50~400°C	±2.5°C (at 100°C surface)	2.0 s	A

How to order of MG series



MG-13K-TS-1-ANP



① Head size	1 : □27×32mm 2 : φ14mm 3 : φ8mm
② Temp.range and grip type	1 : -50~250°C No grip 2 : -50~400°C No grip 3 : -50~250°C Standard grip 4 : -50~400°C Standard grip
③ Thermocouple type	K : Chromel-Alumel E : Chromel-Constantan
④ Cable type (See page 5)	TS : For MG-*1, MG-13, MG-23 GW : For MG-*2, MG-14, MG-24 TA ※1 : For MG-33 GX ※2 : For MG-34
⑤ Cable length	1 : 1m 1.5 : 1.5m 2 : 2m 2.5 : 2.5m
⑥ Plug (See page 4)	ANP ASP W

※1 Teflon insulated thermocouple (φ0.9mm)

※2 Glass fiber insulated thermocouple (0.9mm×1.3mm)

Specifications

Tolerance	±2.5°C (at 100°C surface)
Response time	2.0 s
Durability rank	A
Max.temp.	MG-*1, MG-*3 : 250°C MG-*2, MG-*4 : 400°C

① Head size

You can choose head size as below.



② Temp.range and grip type

You can choose temp.range and grip type as below.

		mm	
1	No grip Temp. range : -50~250°C	MG-11 Guard : Teflon Body : Phenol Resin	 Guard : Teflon
		MG-21	
2	No grip Temp. range : -50~400°C	MG-12 Guard : Glass cloth Body : Sumika super	 Guard : Polyimide
		MG-22	
3	Standard grip Temp. range : -50~250°C	MG-13 Grip φ9×30 Stainless flexible tube φ5.8×50 Stainless pipe φ10×30 Guard : Teflon Body : Phenol Resin	 Grip φ6×30 Stainless flexible tube φ3.6×50 Guard : Teflon
		MG-23	
		MG-33 Grip φ6×30 Stainless flexible tube φ3.6×50 Body : Stainless	
4	Standard grip Temp. range : -50~400°C	MG-14 Grip φ9×30 Stainless flexible tube φ5.8×50 Stainless pipe φ10×30 Guard : Glass cloth Body : Sumika super	 Grip φ6×30 Stainless flexible tube φ3.6×50 Guard : Polyimide
		MG-24	
		MG-34 Grip φ6×30 Stainless flexible tube φ3.6×50 Body : Stainless	