

# Model MW series

## Moving Wire Probes

Model MW series probes are ideal for measuring temperatures at the surfaces of moving wires.

Specific components may be combined to customize products for the needs of a customer's specific application.

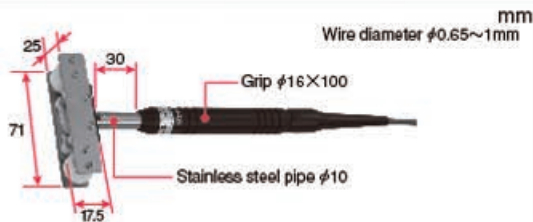
### MW模式系列

MW模式系列产品是适用于移动中的金属丝表面温度测试的温度感应器。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MWシリーズは、走行中のワイヤー表面の温度測定に適した温度センサです。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。

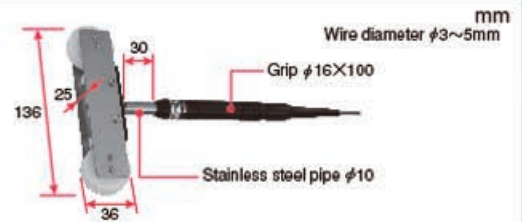
## Typical probes of MW series

Type K Model **MW-31K-TC1-ANP**  
Type E Model **MW-31E-TC1-ANP**



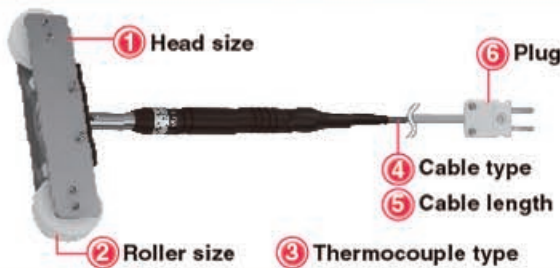
Temp. range	Tolerance	Response time	Durability
-50~250°C	±2.5°C (at 100°C surface)	5.0 s	S

Type K Model **MW-44K-TC1-ANP**  
Type E Model **MW-44E-TC1-ANP**



Temp. range	Tolerance	Response time	Durability
-50~250°C	±2.5°C (at 100°C surface)	5.0 s	S

## How to order of MW series



### MW-44K-TC1-ANP



① Head size (Wire diameter)	3 : For $\phi 0.65 \sim 3$ mm (MW-*1, MW-*2, MW-*3) 4 : For $\phi 3 \sim 15$ mm (MW-*4, MW-*5, MW-*6)
② Roller size (Wire diameter)	1 : $\phi 0.65 \sim 1$ mm (for MW-3*) 2 : $\phi 1 \sim 2$ mm (for MW-3*) 3 : $\phi 2 \sim 3$ mm (for MW-3*) 4 : $\phi 3 \sim 5$ mm (for MW-4*) 5 : $\phi 5 \sim 10$ mm (for MW-4*) 6 : $\phi 10 \sim 15$ mm (for MW-4*)
③ Thermocouple type	<b>K</b> : Chromel-Alumel <b>E</b> : Chromel-Constantan
④ Cable type (See page 5)	<b>TC</b>
⑤ Cable length	1 : 1m      1.5 : 1.5m 2 : 2m      2.5 : 2.5m .....
⑥ Plug (See page 4)	<b>ANP</b> <b>ASP</b> <b>W</b>

### ① Head size

You can choose head size as below.



### ② Roller size

You can choose roller size as below.

	Wire diameter	Head size
1 :	$\phi 0.65 \sim 1$ mm	Only MW-3* Diameter ( $\phi$ ) 71x25mm
2 :	$\phi 1 \sim 2$ mm	Diameter ( $\phi$ ) 71x25mm
3 :	$\phi 2 \sim 3$ mm	
4 :	$\phi 3 \sim 5$ mm	Only MW-4* Diameter ( $\phi$ ) 136x25mm
5 :	$\phi 5 \sim 10$ mm	Diameter ( $\phi$ ) 136x25mm
6 :	$\phi 10 \sim 15$ mm	

### Specifications

Tolerance	±2.5°C (at 100°C surface)
Response time	5.0 s
Durability rank	S
Max. temp.	250°C