

# Moving Wire Probes 移动钢丝用温度传感器

## Model MW series

## MW 系列



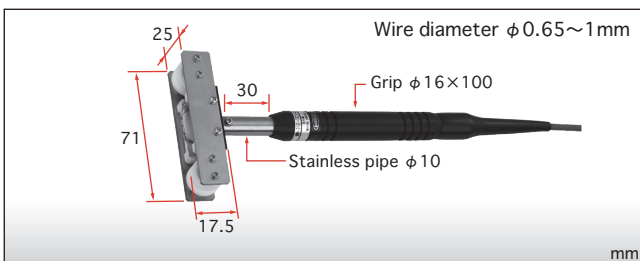
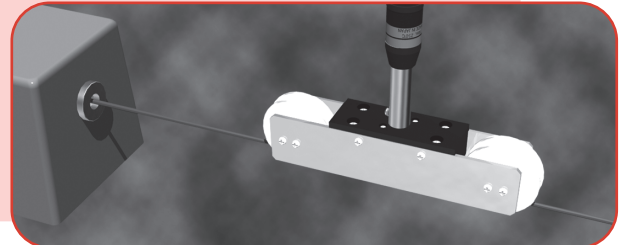
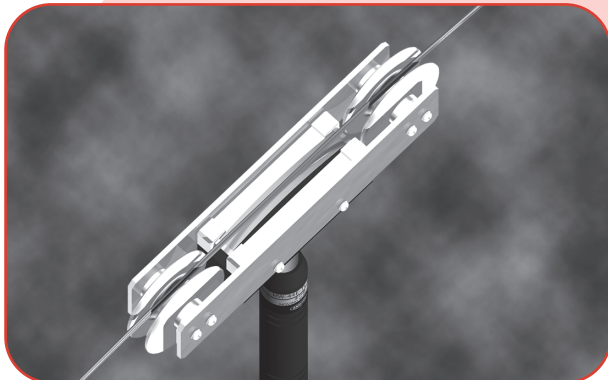
- Model MW series probes are ideal for measuring the temperatures at the surface of moving wires.
- Specific components may be combined to customize products for the needs of a customer's specific application.

- MW 系列产品适用于测试移动中钢丝表面温度的温度传感器。
- 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。

### new model

Even easier to use by a new rolling mechanism for rollers.

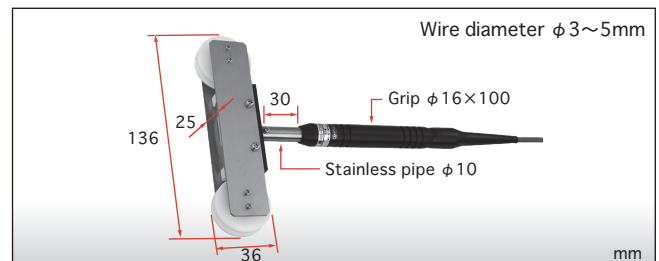
滚轮部的滑动变得更顺畅，使用更方便。



Type K model : **MW-31K-TC1-ANP**

Type E model : **MW-31E-TC1-ANP**

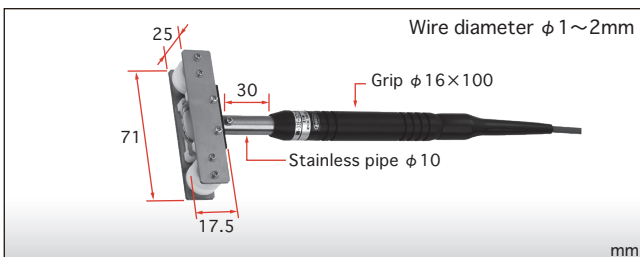
Temp. range 测量范围	Tolerance 精度	Response time 响应速度
-50~250°C	±2.5°C (at 100°C surface / 100°C表面)	5s



Type K model : **MW-44K-TC1-ANP**

Type E model : **MW-44E-TC1-ANP**

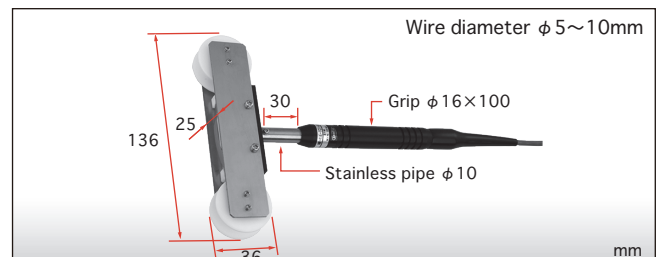
Temp. range 测量范围	Tolerance 精度	Response time 响应速度
-50~250°C	±2.5°C (at 100°C surface / 100°C表面)	5s



Type K model : **MW-32K-TC1-ANP**

Type E model : **MW-32E-TC1-ANP**

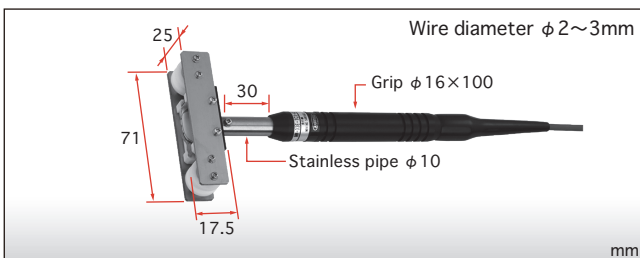
Temp. range 测量范围	Tolerance 精度	Response time 响应速度
-50~250°C	±2.5°C (at 100°C surface / 100°C表面)	5s



Type K model : **MW-45K-TC1-ANP**

Type E model : **MW-45E-TC1-ANP**

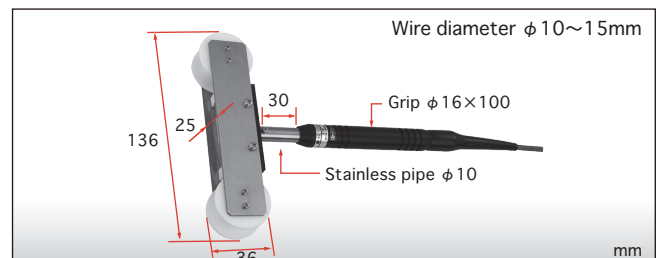
Temp. range 测量范围	Tolerance 精度	Response time 响应速度
-50~250°C	±2.5°C (at 100°C surface / 100°C表面)	5s



Type K model : **MW-33K-TC1-ANP**

Type E model : **MW-33E-TC1-ANP**

Temp. range 测量范围	Tolerance 精度	Response time 响应速度
-50~250°C	±2.5°C (at 100°C surface / 100°C表面)	5s

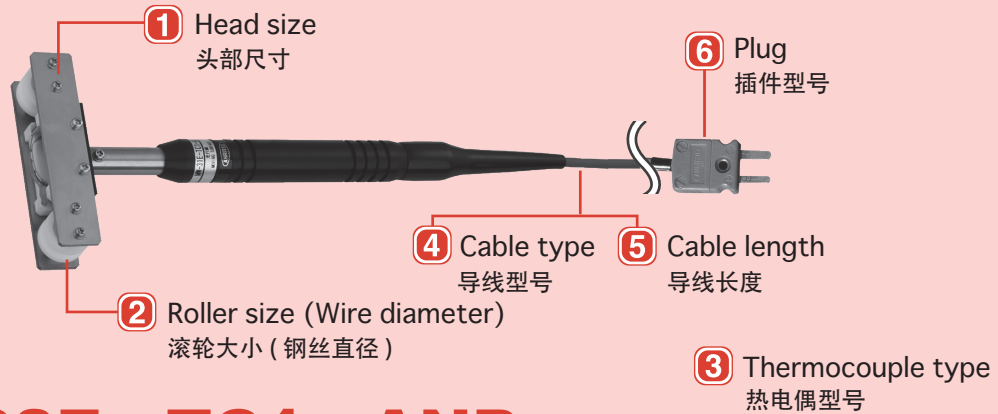


Type K model : **MW-46K-TC1-ANP**

Type E model : **MW-46E-TC1-ANP**

Temp. range 测量范围	Tolerance 精度	Response time 响应速度
-50~250°C	±2.5°C (at 100°C surface / 100°C表面)	5s

# How to order 如何选择



**MW - 33E - TC1 - ANP**

1 2 3      4 5      6

## How to order

① Head size 头部尺寸	3	71 × 25 (30) × 17.5 mm
	4	136 × 25 (31) × 36 mm
② Roller size (Wire diameter) 滚轮大小 (钢丝直径)	1	φ 0.65mm ~ φ 1mm
	2	φ 1mm ~ φ 2mm
	3	φ 2mm ~ φ 3mm
	4	φ 3mm ~ φ 5mm
	5	φ 5mm ~ φ 10mm
	6	φ 10mm ~ φ 15mm
③ Thermocouple type 热电偶型号	K	Chromel-Alumel
	E	Chromel-Constantan
④ Cable type 导线型号	TC	φ 4mm Silicone rubber insulated cable (硅胶)
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	MW-31K MW-31E MW-32K MW-32E MW-33K MW-33E	MW-44K MW-44E MW-45K MW-45E MW-46K MW-46E
Thermocouple type 热电偶型号	Type K or E	
Temp. range 测量范围 ※1	-50~250°C	
Tolerance 精度 ※2	0°C ≤ t ≤ 200°C	±2.5°C
	200°C < t ≤ 250°C	±3.0°C
Response time 响应速度 ※3	5 s	
Durability 耐久性 ※4	Can not evaluate because of special-application 由于特殊构造无法评价	
Roller material 滚轮材质	Teflon	
Guard material 头部材质	Teflon	
Roller mounting plate material 滚轮固定板	Stainless (SUS304)	
Pipe material 管部材质	Stainless (SUS304)	
Grip material 手持柄材质	Polyacetal	

※1 Use a probe head at temperatures below 100°C.  
请在环境温度低于 100°C 时使用。

※2 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。

※3 The response time is the time required to detect 99% of the true value on a 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。

※4 Can not evaluate because of special-application  
由于特殊构造无法评价

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