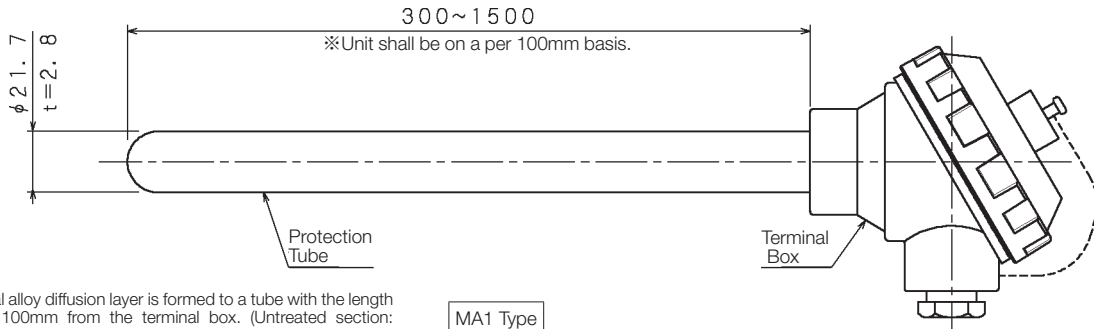


# Temperature Sensor for High Temperature

## ◆Features

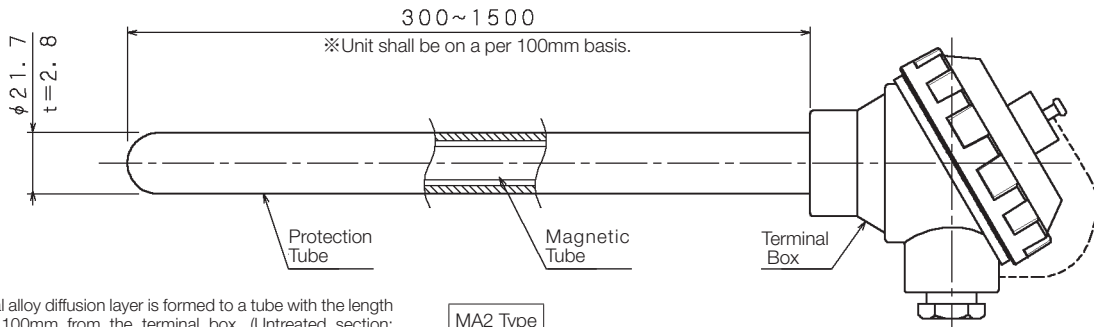
- Special alloy diffusion layer is generated based on the metal protection tube SUS310S, which provides excellent combustion control for incinerators, such as garbage incinerator.
- It displays excellent corrosion resistance at the operation under high temperatures and highly corrosive environments, such as sulfur.
- Mechanical strength can be improved with the dual structure of metal protection tube and magnetic tube (MA2 Type).

## ◆Dimensional Outline Drawing



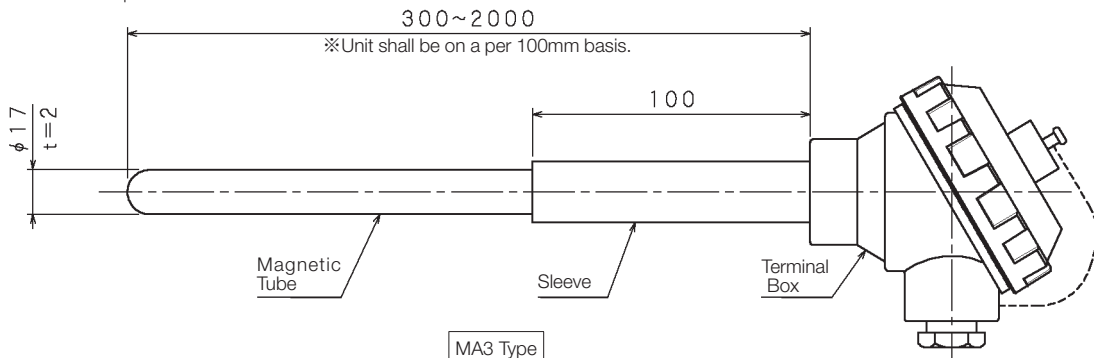
※No special alloy diffusion layer is formed to a tube with the length of up to 100mm from the terminal box. (Untreated section: SUS310S)  
 ※Formation of special alloy diffusion layer requires a length of up to 900mm from the end of protection tube.

MA1 Type



※No special alloy diffusion layer is formed to a tube with the length of up to 100mm from the terminal box. (Untreated section: SUS310S)  
 ※Formation of special alloy diffusion layer requires a length of up to 900mm from the end of protection tube.

MA2 Type



MA3 Type

## ◆Ordering Information (Part Number)

MA1	K	Length of Protection Tube
MA2	R	
MA3		

Example) If MA1 Type R thermocouple with a protection tube length of 500mm

**MA1-R-500**

## ◆Main Specifications

Model Name	MA 1		MA 2		MA 3	
Element ※ Class 2	K (Wire OD $\phi$ 3.2)	K (Wire OD $\phi$ 1.6)	R (Wire OD $\phi$ 0.5)	K (Wire OD $\phi$ 3.2)	R (Wire OD $\phi$ 0.5)	
Normal Operating Temperature Limit (Overheat Operating Temperature Limit)	1000°C (1100°C)	850°C (1050°C)	1000°C (1100°C)	1000°C (1200°C)	1400°C (1600°C)	

Note: The normal operating temperature (overheat operating temperature) indicated above is the temperature-measuring junction section of the temperature sensor.