# Special Application Probes

The special application probes are tailor-made for specific measurement purposes.

Anritsu Meter offers a wide array of probe types for extremely small surfaces, for air temperature measurements, for soldering irons, for insertion use, and other uses.

#### 特殊测温棒

针对不同用途而设计的温度感应器。 备有微型表面用、空气温用、焊接用、插入型等各种模式。

測定用途別に設計された温度センサです。

微小表面用、空気温用、はんだコテ用、差込用など、様々なタイプを用意しています。

# How to order of Special Application Probes

The probes shown from page 26 to page 33 are available with customer-specified thermocouples, compensating lead wire lengths (cord section), and connection plug types.

26页至33页所记载的温度感应器的热电偶类型、补偿导线的长度(接线部分)以及连接插头的形状都可以按照客户的需求选配。

26ページから33ページに掲載された温度センサは、熱電対種、補償導線の長さ(コード部)、接続プラグの種類がカスタマイズが可能です。

#### **Example:**



Thermocouple Type	Choose Type K or Type E  Be sure to choose the same thermocouple type as the one used for the main thermometer unit.	请选E模式或K模式 请选择与测量器相同类型的热电偶。 計測器本体と同じ熱電対種を 選択してください
Cable Length	Length of cord section Specify a cord length in 1m increments.	接线的长度 可以以1m为单位指定长度。 コード部の長さです 1m単位で指定できます
Plug	Choose ANP or ASP Be sure to choose the same plug type as the one used for the main thermometer unit.	请选ANP或ASP 请选择与测量器相同形状的插头。 計測器本体と同じプラグ形状を 選択してください。

For detailed information on thermocouples, cords, and plugs, refer to "Attention of Order" on pages 4 and 5.

※有关热电偶、接线、插头的具体规格请参阅[4-5页:订购注意事项]。

※熱電対、コード、プラグの詳細については、「Page.4~5:Attention of order | をご覧ください

#### **Attention**

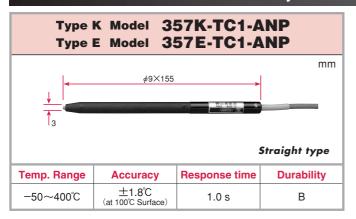
The following probes have certain restrictions on customization.

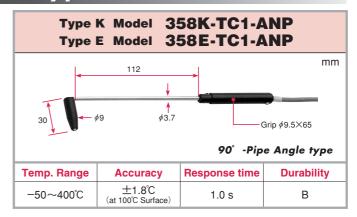
下列型号的感应器中,客户可选配的内容有限制。

下記のセンサは、カスタマイズ内容に制限があります

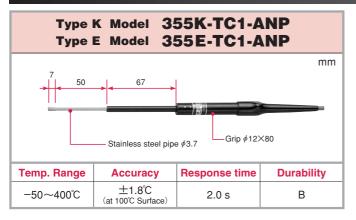
Model No.	Restrictions
619 620 621	These probes are Type K only.

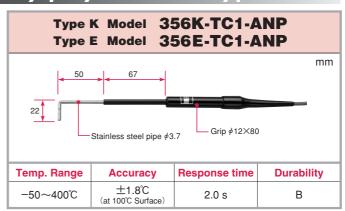
## Micro Sensor Probes (General type)



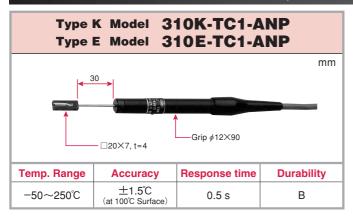


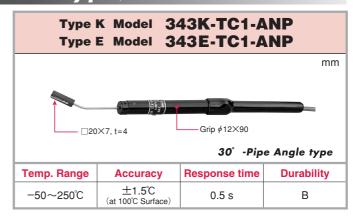
## Micro Sensor Probes (Protected by polyimide film type)



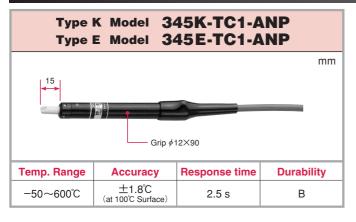


## Micro Sensor Probes (Thin head type)





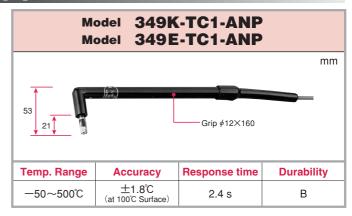
# Micro Sensor Probes (for large heat-capacity)

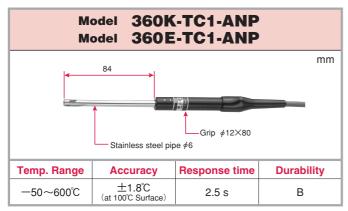




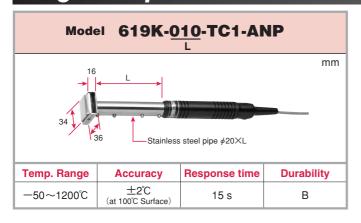
## Micro Sensor Probes (Strongly-built)

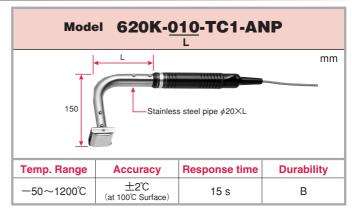


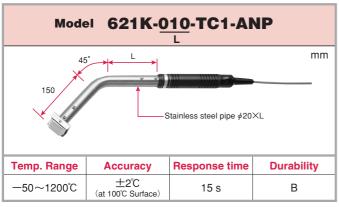




## **High Temperature Probes**





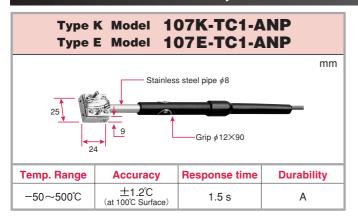


#### Specify the pipe length "L".

L	Pipe Length
010	100mm
020	200mm
030	300mm
050	500mm
100	1000mm

<sup>\*\*</sup>These probes are suitable for high temperature measurement of stationary metallic surface.

## Flat Head Probes (Head thickness: App.20mm)



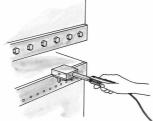


## Flat Head Probes (Head thickness: App.15mm)

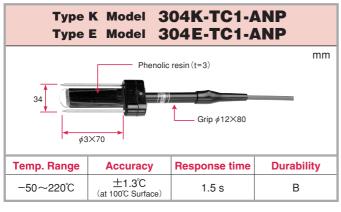


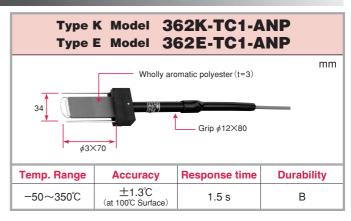




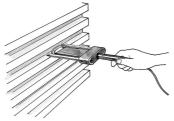


## Slit Type Probes

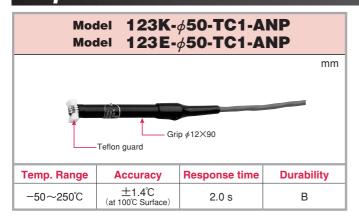




**Slit Type Probes Applications** 



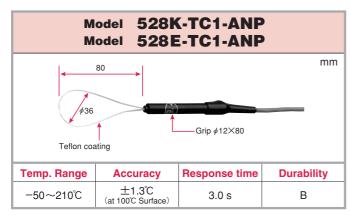
## Pipe Outside Probes

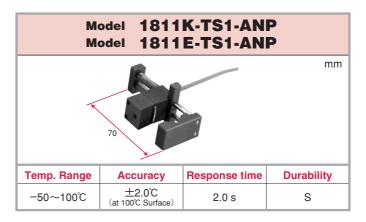


These probes are ideal for measuring the temperatures of surfaces having a small-radius bend, such as pipes.

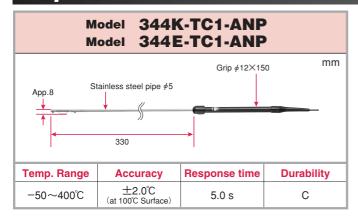
Choose the most appropriate guard, based on the diameter of the measurement target.

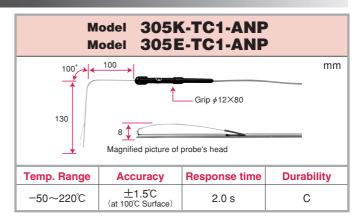
Guard form	Producible range	Tolerance when specified
15mm	∲9~15mm	±1mm
	∲16~39mm	±2mm
18mm	<i>∮</i> 40∼100mm	±5mm





## Pipe Inside Probes

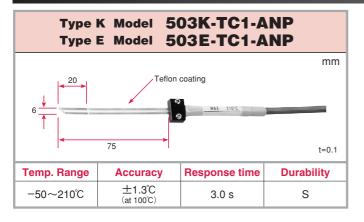


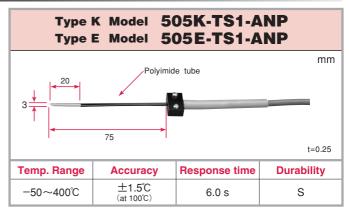


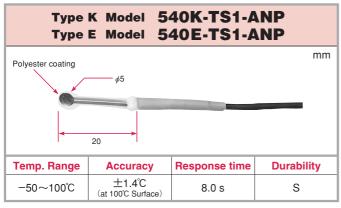
#### **Pipe Inside Probes Applications**



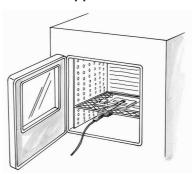
## Flat Leaf Probes



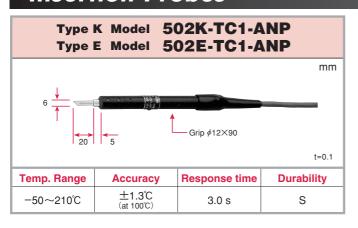


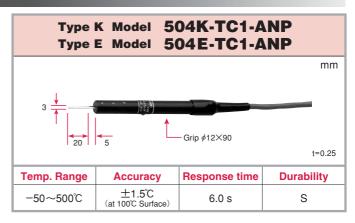


#### **Flat Leaf Probes Applications**

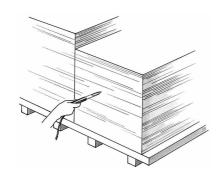


## **Insertion Probes**

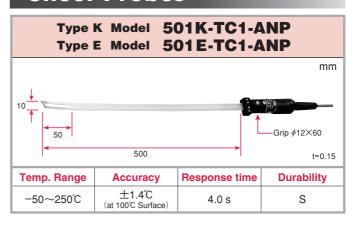




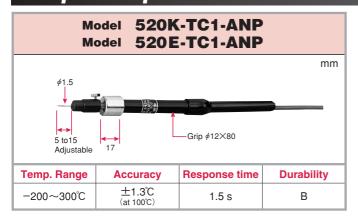
#### **Insertion Probes Applications**



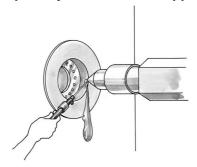
### **Sheet Probes**



## **Depth Adjustable Probes**



#### The Depth Adjustable Probes Applications



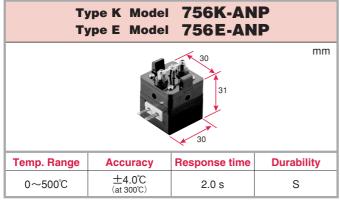
## **Heavy Duty Moving Surface Probes**



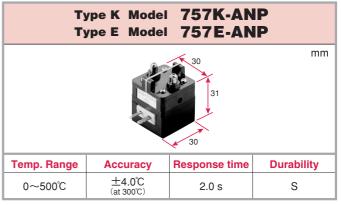
The following model designations are used, based on the length of the stainless pipe:

Stainless Pipe Length	Model
100mm	213K-TC1-ANP
200mm	214K-TC1-ANP
300mm	215K-TC1-ANP
500mm	216K-TC1-ANP
1000mm	217K-TC1-ANP

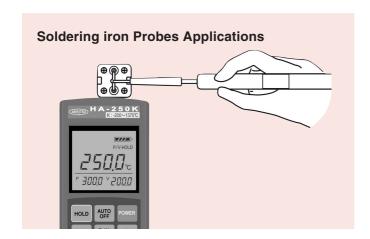
# Soldering Iron Probes (for Lead Free Solder)



%Suitable for  $\phi$ 1.5 $\sim$ 4mm iron tips.



% Suitable for less than  $\phi$ 1.5mm iron tips.



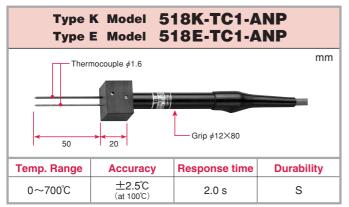
Soldering iron probes offer greater temperature measurement accuracy when measurements are made while melting solder.

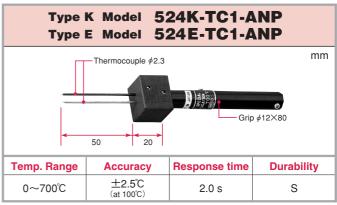
Lead-free solder is used in the manufacture of the 756K-ANP and 757K-ANP.

Probe models using lead solder are as follows:

For Lead Free solder	For Lead solder
756K-ANP	754K-ANP
757K-ANP	755K-ANP

## **Molten Metal Surface Probes**



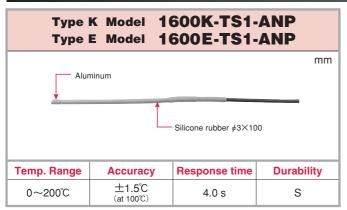


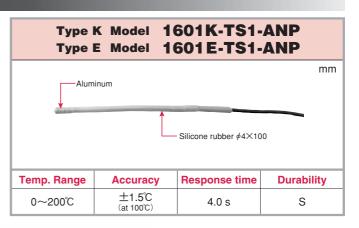
#### **No Junction Type Probes Applications**

This probe can not measure the internal temperature of molten metal because the junction is formed on the surface of molten metal.



## **Soft Body Probes**

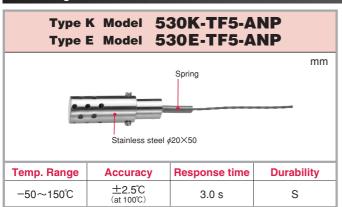




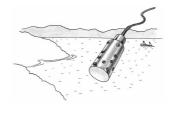
#### **Soft Body Probes Applications**



## **Drop Probes**

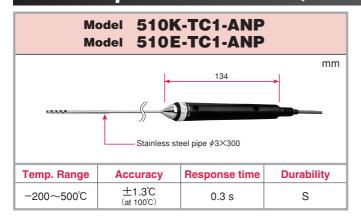


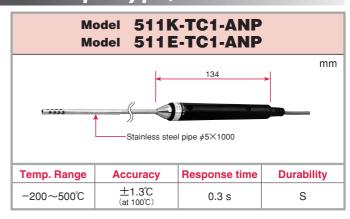
#### **Drop Probes Applications**

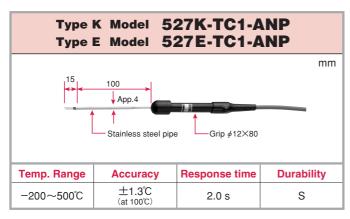


Strong lead cable enable this probe to throw into sea,bath and tank. 5 meters lead cable is provided for standard order.

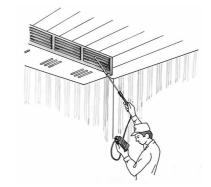
## Air Temperature Probes (Protection Pipe Type)







Air Temp. Probes (Protection Pipe Type) Applications



## Air Temperature Probes (Flexible Type)

