

# Model SC series

## Screw Setting Probes



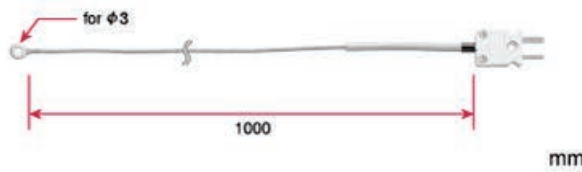
Plate heater temperature monitoring  
加热器的温度监控

Model SC series is a durable probes that can be easily fixed with screws and is resistant to disconnection.

SC系列产品的前端为螺丝圈构造，可配合同规格螺丝锁于表面用于测量表面温度。

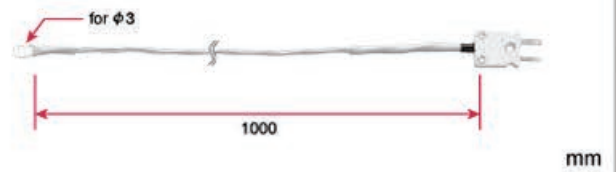
### Typical probes of SC series 典型产品

Type K Model **SC-31K-TS1-ANP**  
Type E Model **SC-31E-TS1-ANP**



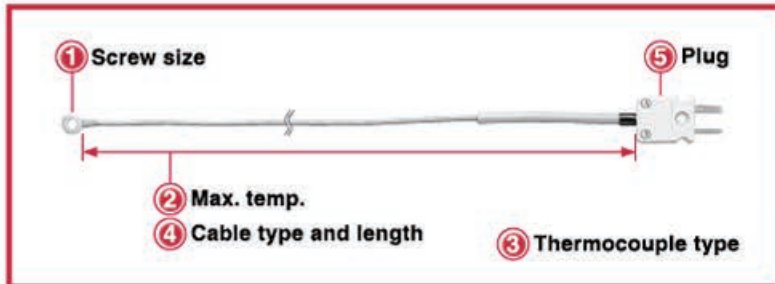
Temp. range	Tolerance	Response time	Durability
-50~150°C	±3.0°C (at 100°C)	5 s	S

Type K Model **SC-32K-SG1-ANP**  
Type E Model **SC-32E-SG1-ANP**



Temp. range	Tolerance	Response time	Durability
-50~400°C	±3.0°C (at 100°C)	5 s	S

### How to order of SC series 选型



## SC-31K-TS1-ANP



① Screw size 对应螺丝直径	2 : For $\phi$ 2mm    3 : For $\phi$ 3mm 4 : For $\phi$ 4mm    5 : For $\phi$ 5mm
② Max. temp. 使用温度范围	1 : 200°C (SC-21)    150°C (SC-31, SC-41, SC-51) 2 : 300°C (SC-22)    400°C (SC-32, SC-42, SC-52)
③ Thermocouple type 热电偶种类	K : Chromel-Alumel E : Chromel-Constantan
④ Cable type and length*2 导线种类和长度 (See page 9)	TA1*1: For SC-21 TS1 : For SC-31, SC-41, SC-51 GW1 : For SC-22 SG1 : For SC-32, SC-42, SC-52 Standard specifications : 1m The cable length can be specified each 0.5m.
⑤ Plug 插头 (See page 8)	ANP (For AM-9***, HR-1*5*, AP-450) ASP (For HR-1*0*, AP-400) W (Without plug)

### ① Screw size 对应螺丝直径

	(mm)
2	$\phi$ 8 $\phi$ 2.1    t=1.5
3	$\phi$ 8 $\phi$ 3.1    t=1.7
4	$\phi$ 10 $\phi$ 4.1    t=2.6
5	$\phi$ 12 $\phi$ 5.1    t=2.9

### Specifications of SC series 规格

Model number	SC-21	SC-22
Temp. range	-50~200°C	-50~300°C
Tolerance	-50°C $\leq$ t < -40°C	±3.5°C
	-40°C $\leq$ t $\leq$ 300°C	±3.0°C (~200°C)
Response time	5s	
Durability	S	
Model number	SC-31 SC-41 SC-51	SC-32 SC-42 SC-52
Temp. range	-50~150°C	-50~400°C
Tolerance	-50°C $\leq$ t < -40°C	±3.5°C
	-40°C $\leq$ t $\leq$ 300°C	±3.0°C (~150°C)
	300°C < t $\leq$ 400°C	-    ±4.0°C
Response time	5s	
Durability	S	

\*1 Fluororesin insulated thermocouple ( $\phi$ 0.9mm)

\*2 The maximum length of TA cable is 3m.

\*Please see website specifications of SC series.