

Model CS series

Micro Sensor Probes

CS模式系列

CS模式系列产品是适用于微小静止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。

Model CS series probes are small surface temperature sensors designed to measure the temperature of stationary surface.

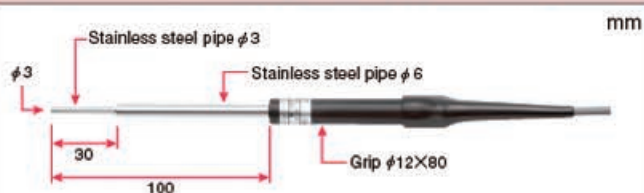
Specific components may be combined to customize products for the needs of a customer's specific applications.

モデルCSシリーズは、微小静止表面の温度計測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 CS series

Type K Model CS-01K-010-1-TC1-ANP Type E Model CS-01E-010-1-TC1-ANP



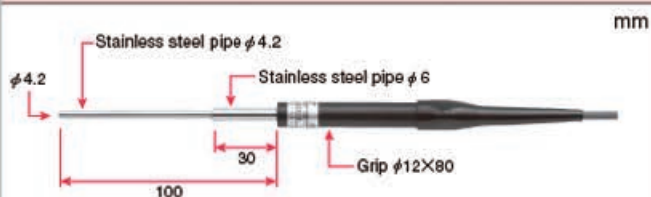
Temp. range	Tolerance	Response time	Durability
-50~400°C	±3.0°C (at 100°C surface)	3 s	A

Type K Model CS-03K-010-1-TC1-ANP Type E Model CS-03E-010-1-TC1-ANP



Temp. range	Tolerance	Response time	Durability
-50~400°C	±3.0°C (at 100°C surface)	3 s	A

Type K Model CS-11K-010-1-TC1-ANP Type E Model CS-11E-010-1-TC1-ANP



Temp. range	Tolerance	Response time	Durability
-50~400°C	±2.5°C (at 100°C surface)	2 s	A

Type K Model CS-13K-010-1-TC1-ANP Type E Model CS-13E-010-1-TC1-ANP



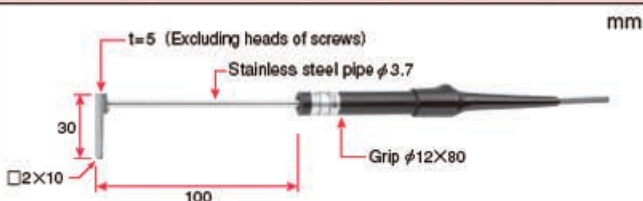
Temp. range	Tolerance	Response time	Durability
-50~400°C	±2.5°C (at 100°C surface)	2 s	A

Type K Model CS-21K-010-1-TC1-ANP Type E Model CS-21E-010-1-TC1-ANP



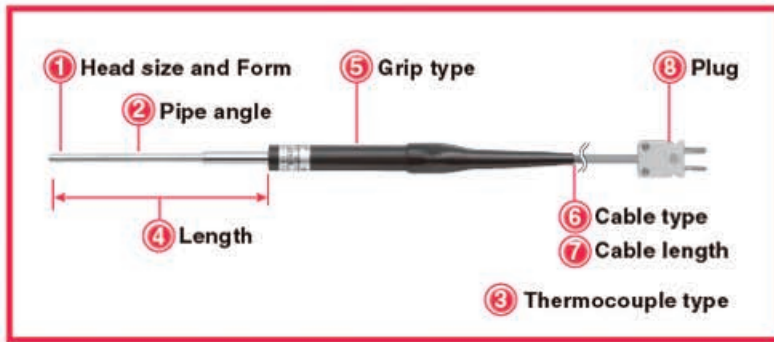
Temp. range	Tolerance	Response time	Durability
-50~400°C	±2.5°C (at 100°C surface)	2 s	A

Type K Model CS-36K-010-1-TC1-ANP Type E Model CS-36E-010-1-TC1-ANP



Temp. range	Tolerance	Response time	Durability
-50~400°C	±2.5°C (at 100°C surface)	2 s	A

How to order of CS series



CS-11K-010-1-TC1-ANP

① ② ③ ④ ⑤ ⑥ ⑦ ⑧

① Head size and Form	0 : $\phi 3.0\text{mm}$ 1 : $\phi 4.2\text{mm}$ 2 : $\phi 6.0\text{mm}$ 3 : $2 \times 10\text{mm}$
② Pipe angle	1 : Straight 3 : 90 degrees 6 : 90 degrees* *Element direction of right angle
③ Thermocouple type	K : Chromel-Alumel E : Chromel-Constantan
④ Length	005 : 50mm 010 : 100mm 015 : 150mm
⑤ Grip type	0 : No grip 1 : Standard grip
⑥ Cable type (See page 5)	TS : For No grip type TC : For Standard grip type
⑦ Cable length	1 : 1m 1.5 : 1.5m 2 : 2m 2.5 : 2.5m
⑧ Plug (See page 4)	ANP ASP W

Specifications

Tolerance	CS-0*	$\pm 3.0^\circ\text{C}$ (at 100°C surface)
	CS-1*, CS-2*, CS-3*	$\pm 2.5^\circ\text{C}$ (at 100°C surface)
Response time	CS-0*	3.0 s
	CS-1*, CS-2*, CS-3*	2.0 s
Durability rank	A	
Max. temp.	400°C	

① Head size and Form

You can choose head size and form as below.



② Pipe angle

(mm)

CS-01	
CS-11	
CS-21	
CS-31	
CS-03	
CS-13	
CS-23	
CS-33	
CS-36	

※ No grip, $\phi 6$ pipe length will be 50 mm.

④ Length

(mm)

		005	010	015
	CS-01	50mm*	100mm	150mm
	CS-11	50mm*	100mm	150mm
	CS-21	50mm	100mm	150mm
	CS-31	—	100mm*	150mm
	CS-03	50mm*	100mm	150mm
	CS-13	50mm*	100mm	150mm
	CS-23	50mm	100mm	150mm
	CS-33	50mm*	100mm	150mm
	CS-36	50mm*	100mm	150mm

※ means that the probe without a grip is not available.

⑤ Grip type

No grip	For device, system, auto-machines, mechanical system etc
Standard grip	For handheld measurement