

Model CS series

Micro Sensor Probes

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.



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-23K-010-1-TC1-ANP
Type E Model CS-23E-010-1-TC1-ANP

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

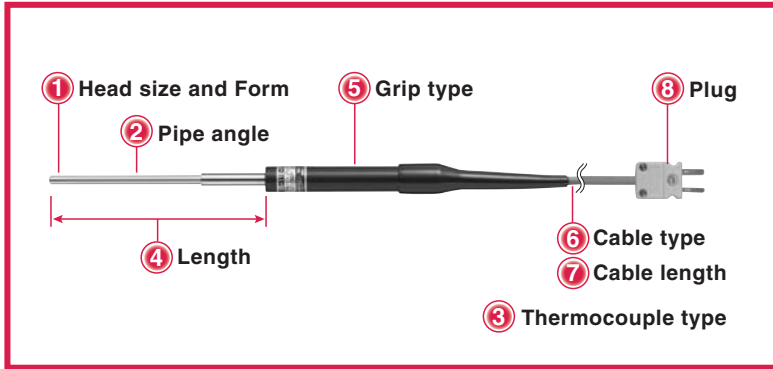
Type K Model CS-31K-010-1-TC1-ANP
Type E Model CS-31E-010-1-TC1-ANP

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



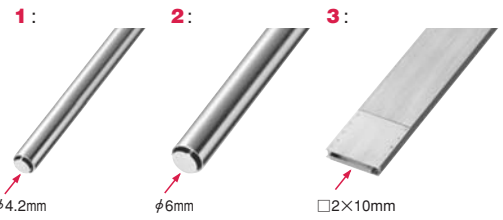
① Head size and Form	1 : $\phi 4.2\text{mm}$ 2 : $\phi 6.0\text{mm}$ 3 : $\square 2 \times 10\text{mm}$
② Pipe angle	1 : Straight 3 : 90 degrees 6 : 90 degrees* *Element direction of right angle
③ Thermocouple type	K : Chromel-Alumel E : Chromel-Constantan
④ Length	005 : 50mm 010 : 100mm 015 : 150mm
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 : P plug ASP : S plug W : Without plug

Specifications

Tolerance	$\pm 2.5^\circ\text{C}$ (at 100°C surface)
Response time	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-11	
CS-21	
CS-31	
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-11	50mm*	100mm	150mm
	CS-21	50mm*	100mm	150mm
	CS-31	—	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