

Model Number Legend

The type of resistance thermometer, protective tubing length, and lead length can be specified as shown below.

Thermocouples

E52-CA□□ D=□□□M□
 1 2 3 4 5 6 7

1. Element type

CA:K

2. Protective tubing length (L)

Specify the length in centimeters in the following range: Unit (cm)

E52-CA□AY (Exposed-lead Model)

Diameter (D)	Length (L)
1	5, 10, 15, 20, 25, 35
1.6	5, 10, 15, 20, 25, 35, 50, 100
3.2	5, 10, 15, 20, 25, 35, 50, 100
4.8	10, 15, 20, 35, 50, 100
6.4	10, 15, 20, 35, 50, 100
8	20, 35, 50, 100

E52-CA□B-N and E52-□□C-N

Diameter (D)	Length (L)
3.2	20, 35, 50
4.8	20, 35, 50, 75
6.4	20, 35, 50, 75
8.0	35, 50, 75
10	35, 50, 75, 100
12	35, 50, 75, 100
15	35, 50, 75, 100
22	50, 75, 100

E52-CA□C-N

Diameter (D)	Length (L)
3.2	15, 20, 25, 30, 35, 50, 75, 100
4.8	15, 20, 25, 30, 35, 50, 75, 100
6.4	20, 25, 30, 35, 50, 75, 100
8.0	20, 25, 30, 35, 50, 75, 100
10	30, 35, 50, 75, 100
12	35, 50, 75, 100
15	35, 50, 75, 100
22	50, 75, 100

3. Terminal

AY: Exposed lead wires (Y-type crimp terminal for M3.5)
 (element type: K)

Examples

Element: K; protective tubing length: 1,000 mm, exposed leads, protective tubing dia.: 4.8 mm, heat resistive, lead length: 8 m
 E52-CA100AY D=4.8 NETU 8M

4. Diameter

Specify the protective tubing material according to the table.

Code	Diameter (D)	Protective tubing construction	Protective tubing material
1	1 mm	Sheathed	ASTM316L
1.6	1.6 mm	Sheathed	ASTM316L
3.2	3.2 mm	Sheathed	ASTM316L
4.8	4.8 mm	Sheathed	ASTM316L
6.4	6.4 mm	Sheathed	ASTM316L
8	8 mm	Sheathed	ASTM316L
10	10 mm	Standard	SUS316
12	12 mm	Standard	SUS316
15	15 mm	Standard	SUS316
22	22 mm	Standard	SUS316

5. Heat resistance

Specify this item for the exposed-lead models only.

Code	Temperature range	Lead type
---	-20°C to 70°C Sleeve: 0°C to 70°C	Vinyl-covered
NETU	0°C to 150°C Sleeve: 0°C to 100°C	Glass-wool-covered with external shield of stainless

6. Lead length (M)

Specify the length in meters in the following range for the E52-CA□AY only.

Range: 1, 2, 4, 8 m

7. Protective tubing material

Code	Protective tubing material	Element type
---	ASTM316L	K