

Temperature Sensors

Compact, Taper Screw, Flange, Sheath Type for Moving Parts

Be sure to refer to "Precautions for Use" in the Temperature Sensor Overview on P1653.

Compact

RoHS 10

Type		Type of Temperature Sensor
Lead Wire Fixed	Lead Wire Configurable	K Thermocouple
TCKC	-	K Thermocouple
TCPC	TCPCF	Temperature Measuring Resistor (Pt100C)

TCKC (K Thermocouple)

TCPC, TCPCF (Temperature Measuring Resistor Pt100C)

Terminal Selection

- N (No Crimp Terminal)
- M (With Round Crimp Terminal)
- Y (With Crimp Spade)

Protective Tube cannot be bent.

Features: Lead wire is directly pulled out of protection tube. Does not have a sleeve, which shortens the distance between the heater and heated object and saves space for installation.

TCKC

Type of Thermocouple	K Thermocouple
Precision	JIS Class 2
Temperature Measurement Contact Point	Isolated Neutral Type
Temperature Measurement Range	0 ~ 250°C
Material	Protection Tubes SUS304
Lead Wire (Operating Temp. Range)	Glass Wool Coating (0 ~ 150°C)

TCPC, TCPCF

Type of Device	Pt100Ω
Precision	JIS Class B
Lead Type	3-lead Type
Temperature Measurement Range	-50 ~ 250°C
Material	Protection Tubes SUS304
Silicon Shrink Tube Heat Resistance Temperature	150°C
Lead Wire (Operating Temp. Range)	fluoropolymer coating (-50 ~ 150°C)

Lead Wire Fixed Type

Part Number Type	D	L Fixed	F Fixed (Unit: m)	Type of Terminal	Unit Price	
					TCKC	TCPC
(K Thermocouple) TCKC (Temperature Measuring Resistor) TCPC	3.2	100	2	Y (M4 Crimp Spade)		

Lead Wire Configurable Type

Part Number Type	D	L Fixed	F 0.1m Increment	Terminal	Sensor Body Price					Additional Terminal Price (Body Price +)				
					F0.3~1.0	F1.1~2.0	F2.1~3.0	F3.1~4.0	F4.1~5.0	N	M	Y		
(Temperature Measuring Resistor) TCPCF	3.2	100	0.3~5.0	N M Y										

Taper Screw

Taper Screw

RoHS 10

Type		Type of Temperature Sensor
Lead Wire Fixed	Lead Wire Configurable	K Thermocouple
TCKT	TCKTF	K Thermocouple
TCPT	TCPTF	Temperature Measuring Resistor (Pt100C)

TCKT, TCKTF (K Thermocouple)

TCPT, TCPTF (Temperature Measuring Resistor Pt100C)

Terminal Selection

- N (No Crimp Terminal)
- M (With Round Crimp Terminal)
- Y (With Crimp Spade)

Protective Tube cannot be bent.

Features: Taper Screw is welded to Compact Type. Best suited for the temperature measurement where the air-tightness for liquid is required.

TCKT, TCKTF

Type of Thermocouple	K Thermocouple
Precision	JIS Class 2
Temperature Measurement Contact Point	Isolated Neutral Type
Temperature Measurement Range	0 ~ 250°C
Material	Protection Tubes SUS304
Taper Screw	SUS304
Heat Resistance Temperature of Silicon Tube	150°C
Lead Wire (Operating Temp. Range)	Glass Wool Coating (0~150°C)

TCPT, TCPTF

Type of Device	Pt100Ω
Precision	JIS Class B
Lead Type	3-lead Type
Temperature Measurement Range	-50 ~ 250°C
Material	Protection Tubes SUS304
Taper Screw	SUS304
Heat Resistance Temperature of Silicon Tube	150°C
Lead Wire (Operating Temp. Range)	fluoropolymer coating (-50~150°C)

Lead Wire Fixed Type

Part Number Type	D	L Fixed	F Fixed (Unit: m)	Type of Terminal	Unit Price	
					TCKT	TCPT
(K Thermocouple) TCKT (Temperature Measuring Resistor) TCPT	3.2	65	2	Y (M4 Crimp Spade)		

Lead Wire Configurable Type

Part Number Type	D	L Fixed	F 0.1m Increment	Terminal	Sensor Body Price					Additional Terminal Price (Body Price +)							
					TCKTF			TCPTF		N	M	Y					
					F0.3-1.0	F1.1-2.0	F2.1-3.0	F3.1-4.0	F4.1-5.0	F0.3-1.0	F1.1-2.0	F2.1-3.0	F3.1-4.0	F4.1-5.0			
(K Thermocouple) TCKTF (Temperature Measuring Resistor) TCPTF	3.2	65	0.3~5.0	N M Y													