



# TEMPERATURE SENSOR

Thermocouple, Resistance Temperature Detector, Thermistor



TAKAWA ELECTRIC INC.

## ◆ Ordering Information [K Type]

(Example of Part Number) For fixing-screw type, with small terminal box, type of element = K, outside diameter of protection tube =  $\phi 6.0$ , protection tube length (L1) = 350mm, protection tube length (L2) = 50mm, screw size = PT 1/2

### TK3SK60×350×50R4

Model	Terminal Box	Type of Element	Outer Dimension of Protection Tube $\phi D$		Length of Protection Tube L1		Length of Protection Tube L2		Screw	Flange (Fixed)	Accessory (Movable)			
TK1	S Small	Thermocouple	30	3.0	150	150mm	0	0mm	R (PT)	S Small	● Compression Fitting			
TK2	L Large	N JIS N	32	3.2	250	250mm	50	50mm	R1	R 1/8	● Movable Flange A			
		K JIS K	40	4.0					R2	R 1/4				
TK3		E JIS E	48	4.8	350	350mm			R3	R 3/8				
		J JIS J	50	5.0					R4	R 1/2				
		T JIS T	60	6.0					R5	R 3/4				
			64	6.4					R6	R 1				
		Resistance Temperature Detector	80	8.0					For sizes other than above, please specify.		For sizes other than above, please specify.		G (PF)	
		PT Pt100	100	10.0									G1	G 1/8
HPT Pt100							G2	G 1/4						
							G3	G 3/8						
							G4	G 1/2						
							G5	G 3/4						
							G6	G 1						

- Please contact our sales office for sensors other than the above.
- The class of the thermocouple is "Class 2" while the class of the resistance temperature detector is "Class B."
- See the data (page 32/33) for specifications of screws and flanges.
- Basic material of the protection tube is SUS316. Please contact our sales office for other specifications. (e.g., fluororesin tubing, fluororesin coating, electrolytic polishing, sanitary treatment, titanium material quality)
- Jpt100 and thermistor are also available as an element. Please contact our sales office for details.
- Recommended outside diameter of protection tube for the size of terminal box ( $\phi D$ ): S  $\phi 3.2 \sim \phi 8$   
L  $\phi 8 \sim \phi 12$

## ◆ Description

Protection tube-type resistance temperature detector and thermocouple are metal protection tube filled with resistive element. The insulator is filled between protection tube and element. (Some specifications are nonfillable.)

