



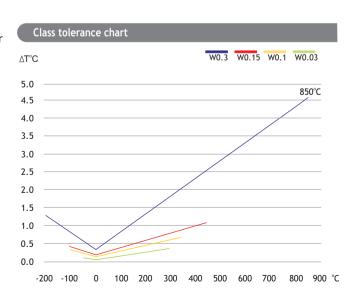
K Series Ceramic Wire Wound PRTD

The K Series Ceramic Wire Wound PRTDs are suitable for resistance thermometers requiring extremely temperature stability over 800°C, accuracy and high temperature shock resistance.

Applications: Chemical and power generation plants, analytical equipment and for applications requiring extremely high temperature stability as well as high temperature shock resistance.

Construction: A platinum coil is sealed inside a high purity aluminum oxide ceramic body. Lead wires are shear force resistant and assure proper connection to extension leads and cables. Two separate coils can be embedded in one ceramic body.

On demand: In addition to the standard products, we are also producing on demand products. In order to offer the best solution to the market, we are able to design element sensors considering different diameters, lengths, classes and coefficients.





K Series specifications 1 Pt Types (Single element)



	Product				Dimensions in mm				Self Heating	Response time				
Description	Tolerance Class	Class	Temperature range (°C)	Order No.	L	D	d	l	0°C (K/mW)	Water: V= 0.4m/s		Air: V= 3m/s		
										t 0.5	t 0.9	t 0.5	t 0.9	
	W0.3	В	-196 ~+850	32.206.280				7.5±0.5						
1PT100 K 1515	W0.15	A	-100 ~+450	32.206.281	15 +2	1.5 ± 0.15	0.20 ± 0.01	7.5±0.5	0.08	0.2	0.4	5.0	15.7	
	W0.1	1/3	-100 ~+350	32.206.282				7.5±0.5						
	W0.1	1/3	-100 ~+350	32.206.152				7.5±0.5						
1PT100 K 2515	W0.15	A	-100 ~+450	32.206.109	25 +2	1.5 ± 0.15	0.20 ± 0.01	7.5±0.5	0.08	0.2	0.4	5.0	15.7	
	W0.3	В	-196 ~+850	32.206.105				7.5±0.5						

The measuring point is located at 6 mm from the end of the sensor body.

Sensor Technology reserves the right to make changes without notice in the specifications of this product



K Series specifications 2 Pt Types (Dual element)



2Pt Types						Self Heating	Response time							
Product						Sett Heating	Kesponse time							
Description	Tolerance Class	Class	Temperature range (°C)	Order No.	L	D	d	l1	l2	0°C (K/mW)	Wate V= 0.4 t 0.5	m/s		m/
2PT100 K 2517 E	W0.15 W0.3	A B	-100~+450 -196~+850	32.206.141 32.206.140	25 +2	1.7 ± 0.15 (0.20 ± 0.01	8.5 ± 0.5	7.5 ± 0.5	0.06	0.2	0.4	6.1	19
2PT100 K 2517	W0.15	Α	-100~+450	32.206.150	25 +2	1.7 ± 0.15 (0.20 ± 0.01	8.5 ± 0.5	7.5 ± 0.5	0.06	0.2	0.4	6.1	19

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Technical Specification

Ex: 1Pt100 K 1515 E G **Description meaning:**

Temperature range: = -196°C to +850°C W0.3 (Class B)

> W0.15 (Class A) = -100°C to +450°C W0.1 (Class 1/3 B) = -100°C to +350°C

Temperature

coefficient: Tc = 3850 ppm/K Platinum-gold alloy

Insulation resistance

after assembly:

> 100 MOhm @ 25 °C

Measuring current:

Tolerance class: - According to IEC 60751:2008

- Other standards, narrower tolerances and other nominal resistances are

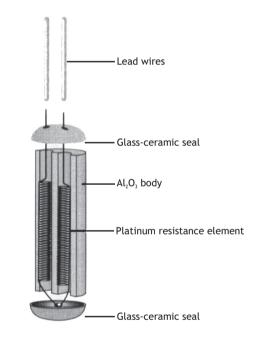
available on request

Temperature stability: Excellent long-term stability

Also available: - Palladium-gold alloy

- Different temperature coefficients On demand. (3916 ppm/K - old JIS)

- Extension leads



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