



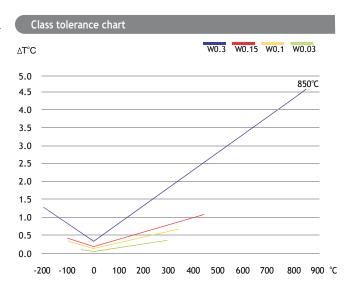
### K Series Ceramic Wire Wound PRTD

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.

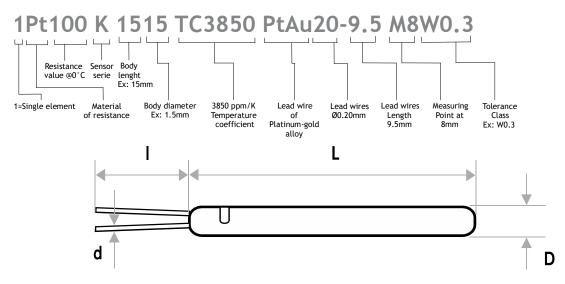
Construction: A platinum coil is sealed inside a high purity aluminum oxide ceramic body. Lead wires are shear force resistant and assure proper connection to extension leads and cables. Two separate coils can be embedded in one ceramic body.

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.





## 1 Pt Types (Single element) K Series specifications



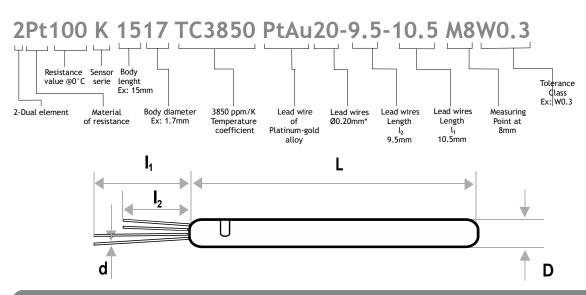
1Pt Types													
Product						Dimen	Self Heating	Response time					
Description	Tolerance Class	Class	Temperature range (°C)	Order No.	L	D	d	l	0°C (K/mW)		ter: .4m/s <b>t</b> <sub>0.9</sub>		ir: 3m/s <b>t</b> <sub>0.9</sub>
1Pt100 K 1515	W0.3 W0.15 W0.1	B A 1/3	-196 ~+850 -100 ~+450 -100 ~+350	32.206.280 32.206.281 32.206.282	15 0	1.5±0.15	0.20±0.01	9.5±0.5 9.5±0.5 9.5±0.5		0.2	0.4	5.0	15.7
1Pt100 K 2515	W0.3 W0.15 W0.1	B A 1/3	-196 ~+850 -100 ~+450 -100 ~+350	32.206.105 32.206.109 32.206.152	25 <sub>- 0</sub>	1.5±0.15	0.20±0.01	9.5±0.5 9.5±0.5 9.5±0.5	0.08	0.2	0.4	5.7	17.0

The measuring point is located at 8 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 specifications2 Pt Types ( Dual element)



Product						Dime		Self Heating	Response time					
Description	Tolerance Class	Class	Temperature range (°C)	Order No.	L	D	d	l <sub>1</sub>	l <sub>2</sub>	0°C (K/mW)	Wat V= 0. <b>t</b> <sub>0.5</sub>		Air V= 3r <b>t</b> <sub>0.5</sub>	n/s
2Pt100 K 1517	W0.3 W0.15 W0.1	B A 1/3	-196 ~+850 -100 ~+450 -100 ~+350	32.206.204 32.206.206 32.206.207	15-0	1.7±0.15	0.20±0.01	10.5±0.5 10.5±0.5 10.5±0.5	9.5±0.5		To be released soon			
2Pt100 K 2517	W0.3 W0.15 W0.1	B A 1/3	-196 ~+850 -100 ~+450 -100 ~+350	32.206.205 32.206.150 32.206.162	25 0	1.7±0.15	0.20±0.01	10.5±0.5 10.5±0.5 10.5±0.5	9.5±0.5		0.2	0.4	6.1	19
2Pt100 K 2517 E "E" means TC3916	W0.3 W0.15 W0.1	B A 1/3	-196 ~+850 -100 ~+450 -100 ~+350	32.206.140 32.206.141 32.206.142	-0	1.7±0.15	0.20±0.01	10.5±0.5 10.5±0.5 10.5±0.5	9.5±0.5	0.06	0.2	0.4	6.1	19

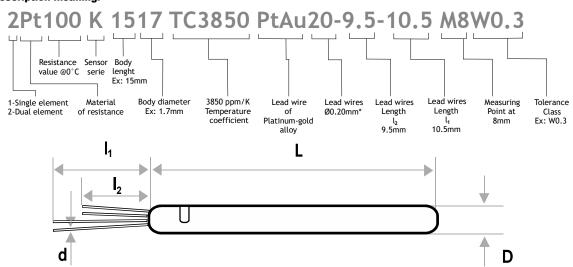
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### **Technical Specification**

#### **Description meaning:**



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

W0.15 (Class A) =  $-100^{\circ}$  C to  $+450^{\circ}$  C

W0.1 (Class 1/3 B) =  $-100^{\circ}$ C to  $+350^{\circ}$ C

Temperature

coefficient: Tc = 3850 ppm/K and TC3916 (on demand)

eads: Platinum-gold alloy

Insulation resistance

after assembly:

> 100 MOhm @ 25 °C

Measuring current: 1 mA

Tolerance class: - According to IEC 60751:2008

- Other standards, narrower tolerances and other nominal resistances are

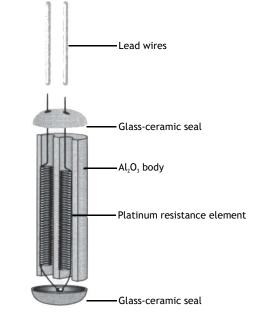
available on request

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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