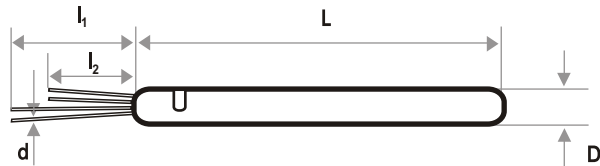


## 2 Pt100 K 2517

The K Series Ceramic Wire Wound PRTDs are suitable for resistance thermometers requiring extremely temperature stability over 800°C and high temperature shock resistance. The dual sensor can be used in redundancy systems and also allow the comparison between two different values in the sensor.

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

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



### Models

Description	Tolerance IEC 60751	Order No.	Dimensions mm					Self Heating 0°C (K/mW)	Response time			
			L	D	d	l <sub>1</sub>	l <sub>2</sub>		Water current V=0.4m/s		Air stream V=3m/s	
								t <sub>0.5</sub>	t <sub>0.9</sub>	t <sub>0.5</sub>	t <sub>0.9</sub>	
2Pt100 K 2517	W0.3	32.206.205	25 <sub>-0</sub> <sup>+2</sup>	1.7±0.15	0.20±0.01	11.0±0.5	10.0±0.5	0.06	0.2	0.4	6.1	19.0
	W0.15	32.206.150										
	W0.1	32.206.162										

### Technical Specification

<b>Nominal resistance:</b>	100 Ohm @ 0 °C	<b>Measuring current:</b>	1 mA
<b>Temperature range:</b>	W0.3 (Class B) = -196 to +850 °C (Heraeus exceeds IEC 60751: -196 to +660 °C) W0.15 (Class A) = -196 to +600 °C (Heraeus exceeds IEC 60751: -100 to +450 °C) W0.1 (Class 1/3 B) = -100 to +350 °C	<b>Tolerance class:</b>	- According to IEC 60751:2008 - Other standards and narrower tolerances are available on request
<b>Temperature coefficient:</b>	Tc = 3850 ppm/K	<b>Temperature stability:</b>	Excellent long-term stability
<b>Leads:</b>	Platinum-gold alloy	<b>Also available:</b>	- Different temperature coefficients (3916 ppm/K - old JIS) - Extension leads
<b>Insulation resistance after assembly:</b>	> 100 MOhm @ 25 °C		

The measuring point is located at 8 mm from the end of the sensor body

## Heraeus Sensor Technology USA

1901 Route 130  
North Brunswick, NJ 08902  
Phone 732-940-4400 Fax 732-940-4445  
Email info.hst-us@heraeus.com  
www.hst-us.com