

## 1 Pt100 K 2515

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



### Models

Description	Tolerance IEC 60751	Order No.	Dimensions mm				Self Heating 0°C (K/mW)	Response time			
			L	D	d	l		Water current V=0.4m/s		Air stream V=3m/s	
1Pt100 K 2515	W0.3	32.206.105	25 <sup>+2</sup> <sub>0</sub>	1.5±0.15	0.20±0.01	10.0±0.5	0.08	t <sub>0.5</sub>	t <sub>0.9</sub>	t <sub>0.5</sub>	t <sub>0.9</sub>
	W0.15	32.206.109						0.2	0.4	5.7	17.0
	W0.1	32.206.152									

### 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>	T <sub>c</sub> = 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 - Two separated coils can be embedded in one ceramic body
<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

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➤ Sales :

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Email        amall@ameya360.com  
  
QQ           800077892  
  
Skype        ameyasales1 ameyasales2

➤ Customer Service :

Email        service@ameya360.com

➤ Partnership :

Tel           +86 (21) 64016692-8333  
  
Email        mkt@ameya360.com