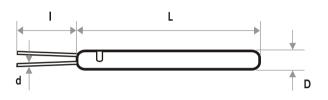
## Heraeus

## 1 Pt500 K 4015 GP

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 Water current Air stream V=0.4m/s V=3m/s						
			L	D	d	1		t <sub>0.5</sub>	t <sub>0.9</sub>	t <sub>0.5</sub>	t <sub>0.9</sub>		
1Pt500 K 4015 GP	W0.3 W0.15	32.206.167 32.206.168	40-1	1.5±0.15	0.27±0.01	10.0±0.5	1	To be rele	ased soon				

Technical Specification						
Nominal resistance:	500 Ohm @ 0 °C	Measuring current:	1 mA			
Temperature range:	W0.3 (Class B) = -196 to +850 °C (Heraeus exceeds IEC 60751: -196 to +660 °C)	Tolerance class:	According to IEC 60751:2008     Other standards and narrower tolerances are available on request			
	W0.15 (Class A) = -196 to +600 °C (Heraeus exceeds IEC 60751: -100 to +450 °C)	T				
Temperature coefficient:	Tc = 3850 ppm/K	remperature stability:	Excellent long-term stability			
Leads:	Platinum-gold alloy	Also available:	- Different temperature coefficients (3916 ppm/K - old JIS) - Extension leads			
Insulation resistance after assembly:	> 100 MOhm @ 25 °C		- Two separated coils can be embedd in one ceramic body			

## **Heraeus Sensor Technology USA**

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

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

Status: HSTUSA 10/09