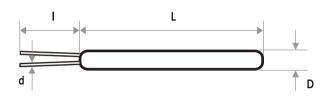
## Heraeus

## 1 Pt100 KN 2510

The KN Series Ceramic Wire Wound PRTDs are suitable for general applications requiring temperature stability.

Applications: Industrial resistance thermometers, especially in chemical, power generation plants and analytical equipment.

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 O°C (K/mW)	Response Water current V=0.4m/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>		
1Pt100 KN 2510	W0.3 W0.15 W0.1	32.206.362 32.206.365 32.206.368	25-2	1.0±0.15	0.20±0.01	10.0±0.5	0.07	0.2	0.4	3.0	8.8		

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

## **Heraeus Sensor Technology USA**

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

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Status: HSTUSA 10/09