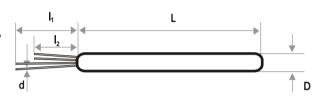
## Heraeus

## 2 Pt100 KN 1517

The KN Series Ceramic Wire Wound PRTDs are suitable for general applications requiring temperature stability. The dual sensor can be used in redundancy systems.

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

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 O°C (K/mW)	Response ti Water current A V=0.4m/s				
				L	D	d	$I_1$	I 2		t <sub>0.5</sub>	t <sub>0.9</sub>	t <sub>0.5</sub>	t <sub>0.9</sub>
	2Pt100 KN 1517	W0.3 W0.15 W0.1	32.206.157 32.206.158 32.206.159	15-0	1.7±0.15	0.20±0.01	11.0±0.5	10.0±0.5	1	o be released soon			

## **Technical Specification**

Measuring current: Nominal resistance: 100 Ohm @ 0 °C

Tolerance class: Temperature range: W0.3 (Class B) = -196 to +660 °C - According to IEC 60751:2008

- Other standards and narrower W0.15 (Class A) = -196 to +600 °C tolerances are available on request (Heraeus exceeds IEC 60751: -100 to +450 °C)

Temperature stability: Excellent long-term stability W0.1 (Class 1/3) = -100 to +350 °C

**Temperature** Also available: - Platinum-gold alloy

coefficient: - Different temperature coefficients (3916 ppm/K - old JIS)

Leads: Palladium-gold alloy - Extension leads

Insulation resistance > 100 MOhm @ 25 °C after assembly:

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

Tc = 3850 ppm/K

## **Heraeus Sensor Technology USA**

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Status: HSTUSA 10/09