## **Heraeus**

## 1 Pt100 KN 1510

**Technical Specification** 

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 0°C (K/mW)	Response time Water current Air stream V=0.4m/s V=3m/s			tream
			L	D	d	I		t <sub>0.5</sub>	t <sub>0.9</sub>	t <sub>0.5</sub>	t <sub>0.9</sub>
1Pt100 KN 1510	W0.3 W0.15 W0.1	32.206.913 32.206.914 32.206.915	15+2	1.0±0.15	0.20±0.01	10.0±0.5	0.14	0.2	0.3	3.0	9.0

Nominal resistance: 100 0hm @ 0 °C Measuring current: 1 mA

Temperature range: W0.3 (Class B) = -196 to +660 °C Tolerance class: - According to the control of the control

Temperature range:W0.3 (Class B) = -196 to +660 °CTolerance class:- According to IEC 60751:2008W0.15 (Class A) = -196 to +600 °C- Other standards and narrower tolerances are available on request

(Heraeus exceeds IEC 60751: -100 to +450 °C)

W0.1 (Class 1/3 B) = -100 to +350 °C

Temperature stability: Excellent long-term stability

Also available: - Platinum-gold alloy

Temperature coefficient:

Also available:

- Platinum-gold alloy
- Different temperature coefficients (3916 ppm/K - old JIS)

Leads:
- Extension leads
- Two separated coils can be embedded

Insulation resistance - Iwo separated coils can be embedded in one ceramic body

after assembly: > 100 MOhm @ 25 °C

## **Heraeus Sensor Technology USA**

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

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