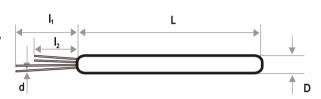
Heraeus

2 Pt100 KN 3026

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 Order No. Dimensions mm						Self Heating O°C (K/mW)	Response time Water current Air st V=0.4m/s V=3				
				L	D	d	I_1	I 2		t _{0.5}	t _{0.9}	t _{0.5}	t _{0.9}
	2Pt100 KN 3026	W0.3 W0.15 W0.1	32.206.620 32.206.569 32.206.647	30-0	2.6±0.15	0.27±0.01	11.0±0.5	10.0±0.5	0.04	0.3	0.6	11.0	36.0

Technical Specification

Nominal resistance: 100 0hm @ 0 °C Meas

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)

W0.1 (Class 1/3) = -100 to +350 °C

Temperature coefficient:

Tc = 3850 ppm/K

Leads: Palladium-gold alloy

Insulation resistance

after assembly:

> 100 M0hm @ 25 °C

Measuring current: 1 mA

Tolerance class: - According to IEC 60751:2008

- Other standards and narrower tolerances are available on request

Temperature stability: Excellent long-term stability

Also available: - Platinum-gold alloy

- Different temperature coefficients

(3916 ppm/K - old JIS) - Extension leads

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

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