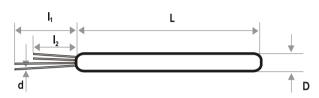
Heraeus

2 Pt100 KN 2517

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.



- Platinum-gold alloy

Status: HSTUSA 10/09

Models												
Description	Tolerance IEC 60751	Order No.	Dimensions mm					Self Heating O°C (K/mW)				e stream =3m/s
			L	D	d	I_1	I 2		t _{0.5}	t _{0.9}	t _{0.5}	t _{0.9}
2Pt100 KN 2517	W0.3 W0.15 W0.1	32.206.301 32.206.303 32.206.302	25 ⁺²	1.7±0.15	0.20±0.01	11.0±0.5	10.0±0.5	To be released soon				
2Pt100 KN 2517 G	W0.3 W0.15 W0.1	32.206.931 32.206.932 32.206.933	25-0	1.7±0.15	0.27±0.01	11.0±0.5	10.0±0.5	To be released soon				

Technical Specification

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

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

- Other standards and narrower W0.15 (Class A) = -196 to +600 °C tolerances are available on request

Also available:

(Heraeus exceeds IEC 60751: -100 to +450 °C) Temperature stability: Excellent long-term stability

W0.1 (Class 1/3 B) = -100 to +350 °C

Temperature - Different temperature coefficients Tc = 3850 ppm/Kcoefficient:

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

Leads: Palladium-gold alloy

Insulation resistance

> 100 M0hm @ 25 °C after assembly:

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

Heraeus Sensor Technology USA

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