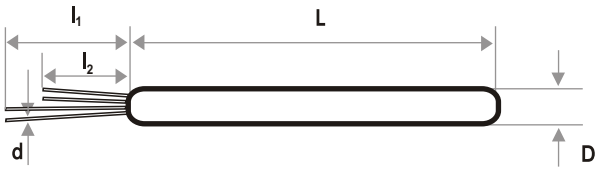
Heraeus

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.



Models

Description	Tolerance IEC 60751	Order No.	Dimensions mm					Self Heating 0°C (K/mW)	Response time Water current V=0.4m/s		Response time Air stream V=3m/s	
			L	D	d	l_1	l_2		$t_{0.5}$	$t_{0.9}$	$t_{0.5}$	$t_{0.9}$
2Pt100 KN 2517	W0.3	32.206.301	25^{+2}_{-0}	1.7±0.15	0.20±0.01	11.0±0.5	10.0±0.5		To be released soon			
	W0.15	32.206.303										
	W0.1	32.206.302										
2Pt100 KN 2517 G	W0.3	32.206.931	25^{+2}_{-0}	1.7±0.15	0.27±0.01	11.0±0.5	10.0±0.5		To be released soon			
	W0.15	32.206.932										
	W0.1	32.206.933										

Technical Specification

Nominal resistance: 100 Ohm @ 0 °C

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 B) = -100 to +350 °C

Temperature coefficient: Tc = 3850 ppm/K

Leads: Palladium-gold alloy

Insulation resistance after assembly: > 100 MOhm @ 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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