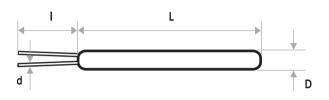
1 Pt100 KN 1008 P

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.



Types								
			Dimensions in mm				Self Heating	Response time
Product	Tolerance	Order No.	L	D	d	l		Water: $V=0.4m/s$ Air: $V=3m/s$ $t_{0.5}$ $t_{0.9}$
1Pt100 KN 1008 P	W0.3 W0.15 W0.1	32.206.971 32.206.972 32.206.973	10-2	0.8±0.1	0.15±0.01	10.0±0.5		To be released soon

Technical Specification

Leads:

after assembly:

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

Temperature range: W0.3 (Class B) = -196 to +660 $^{\circ}$ C Tolerance class: - According to IEC 60751:2008 - Other standards and narrower

W0.15 (Class A) = -196 to +600 °C* tolerances are available on request (ST exceeds IEC 60751: -100 to +450 °C)

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

- Different temperature coefficients (3916 ppm/K - old JIS) Also available: *For a limited time: 250 hours

- Extension leads

Temperature Tc = 3850 ppm/K

coefficient:

Insulation resistance

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

Sensor Technology reserves the right to make changes without notice in the specifications of this product

Heraeus Sensor Technology USA

Platinum-gold alloy

> 100 MOhm @ 25 °C

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