

Sensor Technology

KN Series

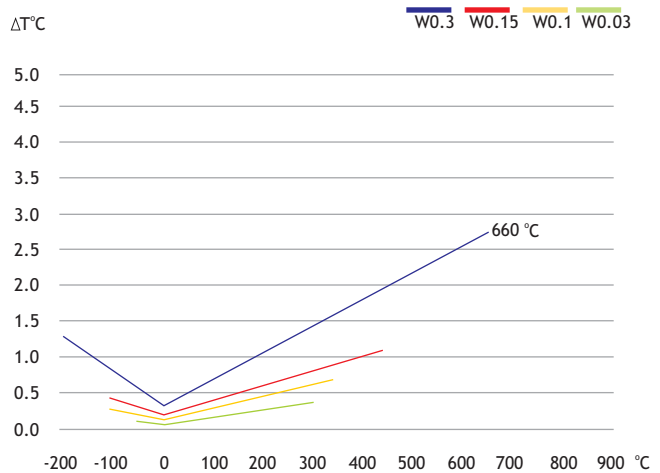


KN Series Ceramic Wire Wound PRTD
 The KN Series Ceramic Wire Wound PRTDs are suitable for general applications requiring temperature stability and accuracy.

Applications: Industrial resistance thermometers, for industrial process like chemical, power generation plants and analytical equipment.

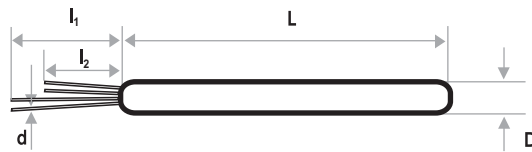
Construction: A platinum coil is sealed inside a high purity aluminum oxide ceramic body. Lead wires are shear force resistant and assure proper connection to extension leads and cables. Two separate coils can be embedded in one ceramic body.

Class tolerance chart



KN Series specifications

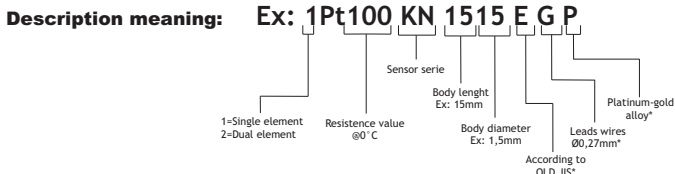
2 Pt Models



2Pt Types												
Product		Order No.	Dimensions in mm					Self Heating 0 °C (K/mW)	Response time			
Description	Tolerance		L	D	d	l ₁	l ₂		Water: V= 0.4m/s Air: V=3m/s t _{0.5} t _{0.9} t _{0.5} t _{0.9}			
2Pt100 KN 1017	W0.3	32.206.182	10 ⁺² ₋₀	1.7±0.15	0.20±0.01	11.0±0.5	10.0±0.5		To be released soon			
	W0.15	32.206.183										
2Pt100 KN 1517	W0.3	32.206.157	15 ⁺² ₋₀	1.7±0.15	0.20±0.01	11.0±0.5	10.0±0.5		To be released soon			
	W0.15	32.206.158										
	W0.1	32.206.159										
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	32.206.004										
	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										
2Pt100 KN 3026	W0.3	32.206.620	30 ⁺² ₋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
	W0.15	32.206.569										
	W0.1	32.206.647										

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

Technical Specification



*Without this use the standard specification mentioned below

Temperature range:	W0.3 (Class B)	= -196° C to +660° C
	W0.15 (Class A)	= -100° C to +450° C
	W0.1 (Class 1/3 B)	= -100° C to +350° C
	W0.03 (Class 1/10 B)	= - 50° C to +300° C (Special ST Class proportional to W0.3)

Temperature coefficient:	Tc = 3850 ppm/K
Leads:	Palladium-gold alloy
Length Leads:	10 mm ± 1 mm

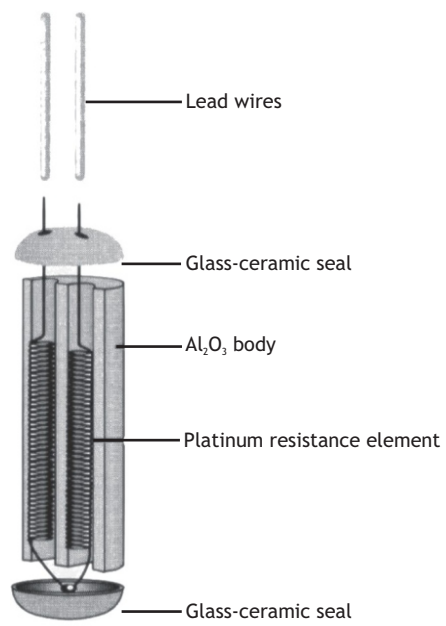
Insulation resistance after assembly: > 100 MOhm @ 25 °C

Measuring current: 1 mA

Tolerance class:
 - According to IEC 60751:2008
 - Other standards, narrower tolerances and other nominal resistances are available on request

Temperature stability: Excellent long-term stability

Also available:
 - Platinum-gold alloy
 - Different temperature coefficients On demand. (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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