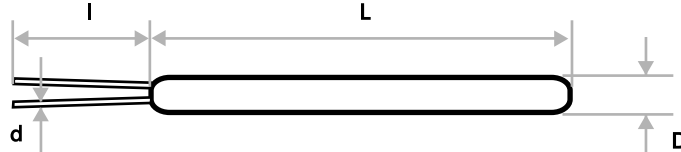


Platinum Resistance Temperature Detector 1Pt100 KN 1526

The KN Series Ceramic Wire Wound PRTDs is suitable for general applications requiring temperature stability.

Applications: in industrial resistance thermometers, especially 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.



Description		Order No.	Dimensions mm				Self Heating 0°C (K/mW)	Response time			
Type	Tolerance IEC 60751		L	D	d	l		Water current V=0.4m/s		Air stream V=3m/s	
							t _{0.5}	t _{0.9}	t _{0.5}	t _{0.9}	
1Pt100 KN 1526	Class B Class A Class 1/3 B	32.206.925 32.206.926 32.206.927	15 ⁺³ ₋₀	2.6±0.15	0.27±0.01	10.0±0.5	To be Released soon			To be released soon	

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

Nominal resistance:	100 Ohm @ 0 °C	Vibration resistance:	Limited resistance against vibration and shock.
Temperature range:	Class B = -200 °C to + 600 °C Class A = -200 °C to + 600 °C Class 1/3 B = -50 °C to + 300 °C Class 1/10 B = -50 °C to +300 °C	Mechanical stability:	Relatively insensitive to external forces and pressure.
Temperature coefficient:	Tc = 3850 ppm/K	Tolerance class:	- According to IEC 60751. - Other standards and tolerances are available on request.
Leads:	Palladium-gold alloy	Temperature stability:	Extremely long-term stability.
Insulation resistance:	> 100 M Ohm @ 20 °C; > 2 M Ohm @ 500 °C	Also available:	- Platinum-gold alloy; - Different temperature coefficients (3916 ppm/K - JIS C1604:1997) - Extension leads. - Two separated coils can be embedded in one ceramic body.
Measuring current:	1 mA		

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