

## 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

Product	Tolerance	Order No.	Dimensions in mm				Self Heating	Response time			
			L	D	d	I		Water: V= 0.4m/s t <sub>0.5</sub> t <sub>0.9</sub>	Air: V=3m/s t <sub>0.5</sub> t <sub>0.9</sub>		
1Pt100 KN 1008 P	W0.3	32.206.971	10 <sup>+2</sup> <sub>0</sub>	0.8±0.1	0.15±0.01	10.0±0.5					To be released soon
	W0.15	32.206.972									
	W0.1	32.206.973									

### Technical Specification

Nominal resistance:	100 Ohm @ 0 °C	Measuring current:	1 mA
Temperature range:	W0.3 (Class B) = -196 to +660 °C W0.15 (Class A) = -196 to +600 °C* (ST exceeds IEC 60751: -100 to +450 °C) W0.1 (Class 1/3 B) = -100 to +350 °C *For a limited time: 250 hours	Tolerance class:	- According to IEC 60751:2008 - Other standards and narrower tolerances are available on request
Temperature coefficient:	Tc = 3850 ppm/K	Temperature stability:	Excellent long-term stability
Leads:	Platinum-gold alloy	Also available:	- Different temperature coefficients (3916 ppm/K - old JIS) - Extension leads
Insulation resistance after assembly:	> 100 MOhm @ 25 °C		

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

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