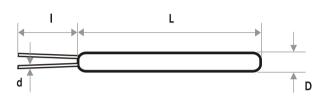
Heraeus

1 Pt200 KN 3015 E

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.



in one ceramic body

Status: HSTUSA 10/09

Models													
Description	Tolerance IEC 60751	Order No.	Dimensions mm				Self Heating O°C (K/mW)	Response Water current V=0.4m/s		Air s			
			L	D	d	1		t _{0.5}	t _{0.9}	t _{0.5}	t _{0.9}		
1Pt200 KN 3015 E	W0.3 W0.15 W0.1	32.206.172 32.206.173 32.206.174	30-2	1.5±0.15	0.20±0.01	10.0±0.5	Т	To be released soon					

	W0.1 32.200.174										
Technical Specification											
Nominal resistance:	200 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 W0.1 (Class $1/3$ B) = -100 to +350 °C	Tolerance class:	According to old JIS Other standards and narrower tolerances are available on request								
Temperature coefficient:	Tc = 3916 ppm/K	Temperature stability:	Excellent long-term stability								
Leads:	Palladium-gold alloy	Also available:	- Platinum-gold alloy - Different temperature coefficients (3850 ppm/K - IEC 60751:2008)								
Insulation resistance after assembly:	> 100 M0hm @ 25 °C	- Extension leads - Two separated coils can be embedded									

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

Heraeus Sensor Technology USA

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