

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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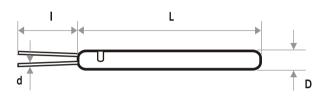
Heraeus

1 Pt100 K 2515

The K Series Ceramic Wire Wound PRTDs are suitable for resistance thermometers requiring extremely temperature stability over 800°C and high temperature shock resistance.

Applications: Chemical and power generation plants, analytical equipment and for applications requiring extremely high temperature stability as well as high temperature shock resistance.

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.



Models												
	Description	Tolerance IEC 60751	Order No.	Dimensions mm				Self Heating O°C (K/mW)	Response Water current V=0.4m/s			
				L	D	d	1		t _{0.5}	t _{0.9}	t _{0.5}	t _{0.9}
	1Pt100 K 2515	W0.3 W0.15 W0.1	32.206.105 32.206.109 32.206.152	25 ⁺² ₋₀	1.5±0.15	0.20±0.01	10.0±0.5	0.08	0.2	0.4	5.7	17.0

Technical Specification

Nominal resistance: 100 Ohm @ 0 °C

Temperature range: W0.3 (Class B) = -196 to +850 °C (Heraeus exceeds IEC 60751: -196 to +660 °C)

W0.15 (Class A) = -196 to +600 °C (Heraeus exceeds IEC 60751: -100 to +450 °C)

W0.1 (Class 1/3 B) = -100 to +350 °C

Temperature coefficient:

Tc = 3850 ppm/K

Platinum-gold alloy Leads:

Insulation resistance

after assembly:

> 100 MOhm @ 25 °C The measuring point is located at 8 mm from the end of the sensor body

Measuring current: 1 mA

Tolerance class: - According to IEC 60751:2008

- Other standards and narrower tolerances are available on request

Temperature stability: Excellent long-term stability

Also available: - Different temperature coefficients

(3916 ppm/K - old JIS)

- Extension leads

- Two separated coils can be embedded

in one ceramic body

Heraeus Sensor Technology USA

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