1 Pt100 KX 2515

The KX 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 L	D	d	l	Self Heating	Response time Water: V= 0.4m/s $t_{0.5}$	$t_{0.9}$	Air: V=3m/s $t_{0.5}$	$t_{0.9}$
1Pt100 KX 2515	W0.3 W0.15 W0.1	32.206.028 32.206.029 32.206.030	25^{+2}_{-0}	1.5±0.15	0.20±0.01	10.0±0.5	0.07	0.2	0.4	5.3	16.0

Technical Specification

Nominal resistance: 100 Ohm @ 0°C

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

Temperature coefficient: Tc = 3850 ppm/K

Leads: Palladium-gold alloy

Measuring current: 1 mA

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

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

Temperature stability: Excellent long-term stability

Also available:
- Platinum-gold alloy
- Different temperature coefficients (3916 ppm/K - old JIS)
- Extension leads
- Two separated coils can be embedded in one ceramic body

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

Sensor Technology Ltda
Av. Dr. Ulysses Guimarães, 3230
09990-080 - Diadema - SP
Phone: +55 11 4070 5922
Fax: +55 11 4071 2791
E-Mail: info@sensor-technology.com.br
www.sensor-technology.com.br

Ver: 06/2016. Technical modifications reserved.