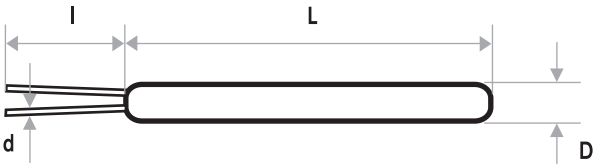
1 Pt100 KH 4527

The K 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.
Extended temperature range.



Types

Product	Tolerance	Order No.	Dimensions in mm L	D	d	l	Self Heating	Response time Water: V= 0.4m/s $t_{10,5}$	Air: V=1m/s $t_{10,5}$
1Pt 100 KH 4527	W0.3	19.010.038	45^{+1}_{-1}	$2.7^{+0.15}_{-0.15}$	$0.35^{+0.02}_{-0.02}$	10^{+2}_{-2}	0.07	0.5	14

Technical Specification

Nominal resistance: 100 Ohm @ 0°C

Temperature range: W0.3 (Class B) = -196°C to +1000°C

Temperature coefficient: Tc = 3850 ppm/K

Leads: Platinum
The lead wires connection is especially stable and resistant to pull up stress.

Insulation resistance after assembly: > 100 MΩ @ 20°C
1 MΩ @ 500°C

Measuring current: 1 mA

Tolerance class: According to IEC 60751

Temperature stability: Excellent long-term stability

Element for laboratory reference sensor

Accuracy and stability over a large temperature range

Also available:
- Wire length
- Extension Cable

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

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