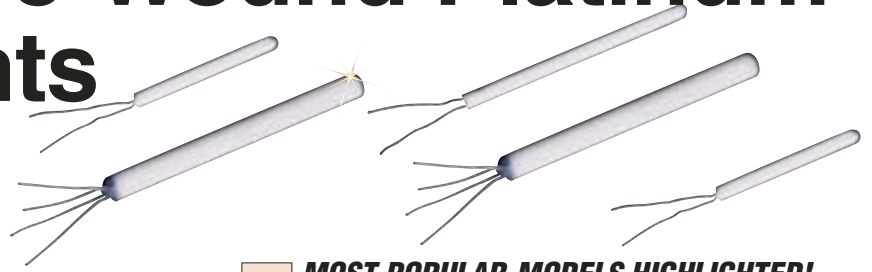


Ceramic Wire-Wound Platinum RTD Elements

"KN" Series
Starts at
\$11.50



MOST POPULAR MODELS HIGHLIGHTED!

Dimensions in millimeters (1 mm = 0.03937")	Nominal Resistance (ohms)	Temperature Range, °C (°F)	Model No.	Price	Self-Heating Error in °C/mW Flowing Air V = 1m/sec
	1 x 100	-200 to 600 (-330 to 1110)	1PT100KN815	\$16	0.28
	1 x 100	-200 to 600 (-330 to 1110)	1PT100KN1510	13	0.14
	1 x 100	-200 to 850 (-330 to 1560)	1PT100K2515	19	0.08
	1 x 100	-200 to 600 (-330 to 1110)	1PT100KN2510	19	0.07
	1 x 100	-200 to 600 (-330 to 1110)	1PT100KN3026	26	0.04
	1 x 100	-200 to 600 (-330 to 1110)	1PT100KN1515	11.50	0.08
	1 x 100	-200 to 600 (-330 to 1110)	1PT100KN3045	19	0.01
	1 x 100	-200 to 600 (-330 to 1110)	1PT100KN2515	19	0.07
	2 x 100	-200 to 850 (-330 to 1560)	*2PT100K2517	50	0.06
	2 x 100	-200 to 600 (-330 to 1110)	*2PT100KN3045	38	0.01
	2 x 100	-200 to 600 (-330 to 1110)	*2PT100KN3026	36	0.04

* Dual elements. All RTD elements come standard with 10 mm bare leads. Welded insulated extension leads available. Pricing is dependent on lead style; see page C-30.

Ordering Examples: **1PT100KN815**,
1 x 100 Ω self-heating error
of 0.28 ceramic wire-wound
platinum RTD elements, **\$16**.
1PT100KN1515, 100 Ω, 1.5 D x 15 mm L,
ceramic wire wound RTD, **\$11.50**.

Discount Schedule

1 to 4 unitsNet
5 to 10 units4%
11 to 24 units6%
25 to 49 units10%
50 to 99 units11%
100 units and up13%

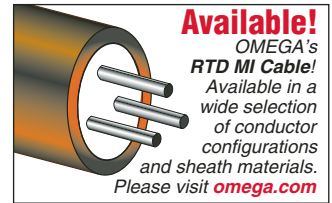


H2104, \$32, shown
larger than actual
size.

Class B Tolerance (Per IEC751) Alpha = 0.00385

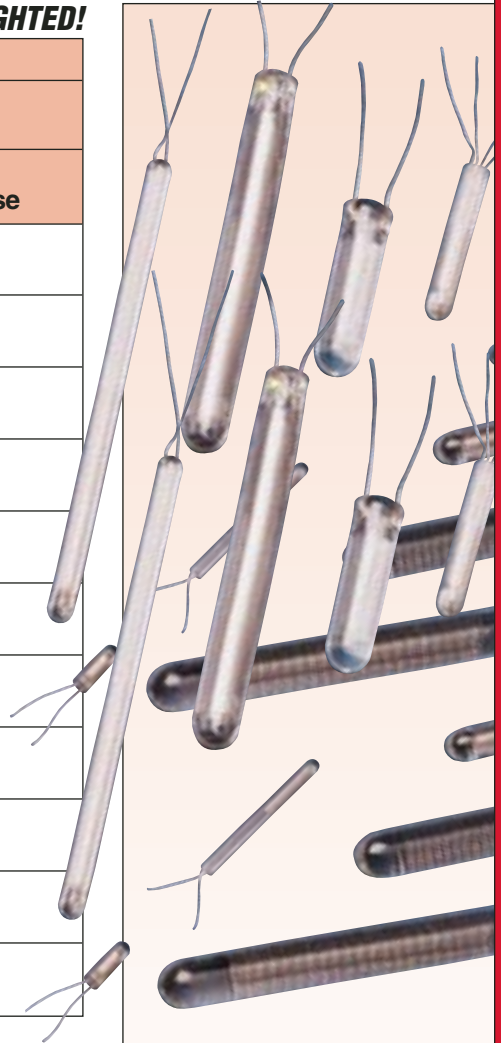
Ceramic wire-wound platinum RTD elements are made by placing a coiled platinum wire into a ceramic core and sealing the ends off with glass. They are suitable for extremely low or high

temperatures and are tolerant of thermal shocks. They offer limited vibration resistance (depending on mounting method) and should be used in dry environments only.



MOST POPULAR MODEL HIGHLIGHTED!

Response Time in Seconds			
Flowing Water V = 0.4 m/sec		Moving Air V = 1 m/sec	
50% Response	90% Response	50% Response	90% Response
0.2	0.5	6.7	21.8
0.2	0.3	3.0	9
0.2	0.4	5.7	17
0.2	0.4	3.0	8.8
0.3	0.6	10.5	34.0
0.2	0.4	5.0	15.7
0.40	1.4	26.0	90.0
0.2	0.4	5.3	16.0
0.2	0.4	6.1	19.0
0.4	1.4	26.8	83.7
0.30	0.6	11	36.0



Enlarged to show construction. See previous page for dimensions.

RTD Elements for Tight Spaces

Model Number	Price	Temperature Range	Nominal Resistance (ohms)	Dimensions Type TFD or Ceramic
A2102*	\$18	-50 to 400°C (-60 to 750°F)	1 x 100	4 L x 5 W x 2 mm D (0.16 x 0.20 x 0.08") TFD
A2105*	18	-50 to 400°C (-60 to 750°F)	1 x 100	2 L x 2.4 W x 2 mm D (0.08 x 0.09 x 0.08") TFD
A2132*	23	-50 to 400°C (-60 to 750°F)	1 x 500	4 L x 5 W x 2 mm D (0.16 x 0.20 x 0.08") TFD
A2142*	24	-50 to 400°C (-60 to 750°F)	1 x 1000	4 L x 5 W x 2 mm D (0.16 x 0.20 x 0.08") TFD
H2104	32	-50 to 600°C (-60 to 1110°F)	1 x 100	1.5 Dia. x 4 mm L (0.06 x 0.20") Ceramic

* These elements have leads perpendicular to the body for surface measurements. Curve is European $\alpha = 0.00385$. All RTD elements available with welded PTFE insulated extension lead wires. Pricing is dependent on lead style (see page C-30).

Ordering Examples: A2102, 1 x 100 Ω , 4 mm L RTD elements, **\$18**.
A2142, 1000 Ω , 4 x 5 mm RTD element, **\$24**.

Discount Schedule	
1 to 4 unitsNet
5 to 10 units4%
11 to 24 units6%
25 to 49 units10%
50 to 99 units11%
100 units and up13%



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