

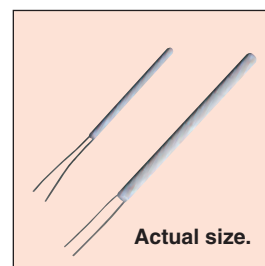
# High Accuracy Ceramic Wire-Wound Platinum RTD Elements

Starts at  
**\$12**

- ✓ Platinum Wire Wound RTD Elements
- ✓ Resistance vs. Temperature Characteristics Per IEC60751
- ✓ Accuracies Include Class A, 1/3B and 1/10B
- ✓ Single and Some Dual Element Configurations Available in Class A Accuracies Listed
- ✓ Operating Temperature Range is -200 to 600°C (-328 to 1112°F), With Accuracies Assured Over The Specified Temperature Range for Each Class

1PT100KN1515CL1/3, \$30, shown larger than actual size.

1PT100KN2515CLA, \$21, shown larger than actual size.



## Tolerance

| Tolerance Class | Tolerance (°C)                            | Temperature Range |
|-----------------|---|-------------------|
| Class A         | $\pm 0.15 + (0.002 \cdot t)$              | -196 to 450°C     |
| Class 1/3B      | $\pm 1/3 \cdot [0.30 + (0.005 \cdot t)]$  | -100 to 350°C     |
| Class 1/10B     | $\pm 1/10 \cdot [0.30 + (0.005 \cdot t)]$ | 0 to 100°C        |

Where  $t$  = temperature in °C regardless of sign.

## Discount Schedule

(for Class A and Class B elements)

|                  |      |
|------------------|------|
| 1 to 4 units     | .Net |
| 5 to 10 units    | .4%  |
| 11 to 24 units   | .6%  |
| 25 to 49 units   | .10% |
| 50 to 99 units   | .11% |
| 100 units and up | .13% |

**MOST POPULAR MODELS HIGHLIGHTED!**

## To Order (Specify Model Number)

| Model No.          | Price | Element size† mm |        | Resistance at 0°C    | Accuracy    |               |
|--------------------|-------|------------------|--------|----------------------|-------------|---------------|
|                    |       | Diameter         | Length |                      | Class       | Temp Range    |
| 1PT100KN1515CLA    | \$12  | 1.5              | 15     | 1 x 100.000 ±0.060 Ω | Class A     | -196 to 450°C |
| 1PT100KN2515CLA    | 21    | 1.5              | 25     | 1 x 100.000 ±0.060 Ω | Class A     | -196 to 450°C |
| 1PT100KN3045CLA    | 21    | 4.5              | 30     | 1 x 100.000 ±0.060 Ω | Class A     | -196 to 450°C |
| 1PT100KN3026CLA    | 28    | 2.6              | 30     | 1 x 100.000 ±0.060 Ω | Class A     | -196 to 450°C |
| 2PT100KN3045CLA*   | 56    | 4.5              | 30     | 2 x 100.000 ±0.060 Ω | Class A     | -196 to 450°C |
| 2PT100KN3026CLA*   | 39    | 2.6              | 30     | 2 x 100.000 ±0.060 Ω | Class A     | -196 to 450°C |
| 1PT100KN2515CL1/3  | 30    | 1.5              | 25     | 1 x 100.000 ±0.040 Ω | Class 1/3B  | -100 to 350°C |
| 1PT100KN2528CL1/3  | 30    | 2.8              | 25     | 1 x 100.000 ±0.040 Ω | Class 1/3B  | -100 to 350°C |
| 1PT100KN1515CL1/3  | 30    | 1.5              | 10     | 1 x 100.000 ±0.040 Ω | Class 1/3B  | -100 to 350°C |
| 1PT100KN2515CL1/10 | 37    | 1.5              | 25     | 1 x 100.000 ±0.013 Ω | Class 1/10B | 0 to 100°C    |
| 1PT100KN2528CL1/10 | 37    | 2.8              | 25     | 1 x 100.000 ±0.013 Ω | Class 1/10B | 0 to 100°C    |
| 1PT100KN1515CL1/10 | 37    | 1.5              | 10     | 1 x 100.000 ±0.013 Ω | Class 1/10B | 0 to 100°C    |

\* Dual element configurations.

† Leads are 10 mm L, body is ceramic.

See Page C-126 for more information relating to wire wound RTD usage, resistance and accuracy/interchangeability.

**Ordering Examples:** 1PT100KN2515CLA, wire wound platinum RTD element, 1.5 Dia x 25 mm L, resistance of 100.000 ±0.060 Ω at 0°C, \$21.

1PT100KN2515CL1/3, wire wound platinum RTD element, 1.5 Dia x 25 mm L, resistance of 100.000 ±0.040 Ω at 0°C, \$30.

1PT100KN2515CL1/10, wire wound platinum RTD element, 1.5 Dia x 25 mm L, resistance of 100.000 ±0.013 Ω at 0°C, \$37.



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