

## RTD Series

The **RTD Series** is ideal where applications of Resistance Temperature Detector (RTD) simulation require exact low value resistance without "zero" and contact resistance effects. The RTD-Z-6-.001 exhibits a resistance range of 10 Ω to 1,111.110 Ω, lowest decade resolution of 1 mΩ, and absolute accuracy of 50 ppm. The RTD-Z-6-.01 has a resolution of 10 mΩ.

If this simulator is substituted for any RTD, the rest of the system may be calibrated or examined. Special designs virtually eliminate zero resistance and switch contact variations, providing the specified absolute accuracy over the entire range. The RTD-250 is a more economical version for less exacting requirements.

### RTD-Z and RTD-X Series



Model **RTD-Z-6-.001** High Accuracy RTD Simulator

*High performance, low temperature coefficient, high stability, RTD simulator.*

**Number of Decades:** 6.

**Range and Accuracy:**

**Model RTD-Z-6-.001 :** 10.000 Ω to 1,111.110 Ω in 1 mΩ steps, 50 ppm absolute accuracy.\*

**Model RTD-X-6-.001:** 10.000 Ω to 1,111.110 Ω in 1 mΩ steps, 100 ppm absolute accuracy.\*

**Model RTD-Z-6-.01:** 100.00 Ω to 11,111.10 Ω in 10 mΩ steps, 50 ppm absolute accuracy.\*

**Model RTD-X-6-.01:** 100.00 Ω to 11,111.10 Ω in 10 mΩ steps, 100 ppm absolute accuracy.\*

\* Absolute accuracy is independent of "zero" and contact resistance

**Dimension:** 43.9 cm W x 8.9 cm H x 10.2 cm D (17.3" x 3.5" x 4").

### RTD-250 Series

*Economical accurate compact RTD simulator.*

**Minimum Settings:** 20 Ω.

**Number of Decades:** 5.

**Range:** 20.00 Ω to 1,121.10 Ω.

**Resolution:** 10 mΩ.

**Accuracy:** ±0.02% (200 ppm), absolute, applies without subtraction of "zero" setting.



Model **RTD-250** RTD Simulator

### ORDERING INFORMATION

**RTD-Z-6-.001** High Accuracy RTD Simulator, 1,111 Ω, 1 mΩ resolution, 50 ppm accuracy

**RTD-X-6-.001** High Accuracy RTD Simulator, 1,111 Ω, 1mΩ resolution, 100 ppm accuracy

**RTD-Z-6-.01** High Accuracy RTD Simulator, 11,111 Ω, 10 mΩ resolution, 50 ppm accuracy

**RTD-X-6-.01** High Accuracy RTD Simulator, 11,111 Ω, 10 mΩ resolution, 100 ppm accuracy

**RTD-250** RTD Simulator, 1,121 Ω, 10 mΩ resolution, 0.02% accuracy