Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832
Email & Skype: info@chipsmall.com Web: www.chipsmall.com
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

RTD Simulators

Product Sheet

Perfecting Ultra High Precision Calibration

RTD Simulators are used as calibration devices to ensure the accuracy of applications that use resistance temperature detectors (RTD)

Simulate virtually any reference temperatures to test and calibrate equipment—either in the lab or in the field

Certifications available—NIST, JIS C1604, IEC60751

Compliant to all international temperature scale standards (like IPTS-68, ITS-90)

Bulk Metal® Foil technology—Ideal for testing and calibrating

- Extremely low temperature coefficient of resistance (TCR) to ±0.2 ppm/°C typical
- Unparalleled inherent long-term stability to 50 ppm for 10,000 hours of load

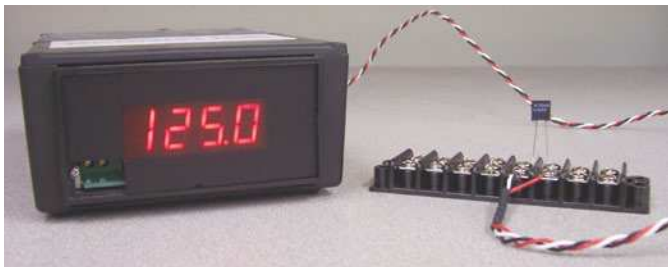
RTD Simulator Solutions

VPG Foil Resistors
Vishay Foil Resistors • Alpha Electronics • Powertron

RTD Simulator Resistors
from Vishay Foil Resistors

Simulate fixed reference temperatures

Mobile, highly stable, rugged, cost effective



PERFORMANCE HIGHLIGHTS

Any 6-digit value in the resistance range for virtually unlimited temperature simulation possibilities

Load-life stability: to ±0.005% (50 ppm) at +70°C, 10,000 hours rated power

NIST certification available

Extremely low TCR: ±0.2 ppm/°C typical (–55°C to +125°C, +25°C ref.)

RTD Simulators can be supplied tailor-made to your needs.

foil@vpgsensors.com | vishayfoilresistors.com

ADR-3204GR Precision Programmable Resistance Box
from Alpha Electronics

Digitally controlled resistance simulator

Simulates any resistance values from 5Ω to 199.9999 kΩ to an accuracy of ≤0.01% ±2 mΩ

Front panel control or fully automated via PC connection to testing environment, e.g., during production in order to minimize inspection time while avoiding human error

PERFORMANCE HIGHLIGHTS

Controllable by PC with GB-IB and RS232C interfaces

Accuracy: ≤0.01% ±2 mΩ

Quick switching times of 100 ms due to specially designed relays

Stable resistance output — true resistance value by ultra precision Bulk Metal® Foil resistors instead of electrical output simulation

JIS C1604/IEC60751 certified Pt thermometer table is stored in memory to facilitate entry of specific temperatures or specific resistance values in the Pt standard table (Pt100, Pt200, Pt300, Pt500, Pt1000)

foil@vpgsensors.com | alpha-elec.co.jp