To receive a calibration and/or repair quote-RMA from R.A.E. Services Inc. Click here>> www.raeservices.com/services/quote.htm

RTD SIMULATOR **SERIES 11**

- DIRECT TEMPERATURE OUTPUT 11 Switched Steps
- 0.1°C ACCURACY 25, 50, or 100 Degree Resolution
- "QUIK-CHEK®" SWITCH Replaces Decade Box
- ALL MANUFACTURERS RTD CURVES Platinum, Nickel, Copper & Nickel-Iron



GENERAL DESCRIP (A)

ALTEK SERIES 11 Resistance Bulb (RTD) Simulators provide 11 precise temperatures for inputs to transmitters, recorders, controllers, alarms, data acquisition and computer systems. Model 11 allows 2, 3 or 4 wire connections. Factory calibration includes compensation for the resistance of the built-in lead wires. Conformity to the particular RTD curve is in accordance with the latest standards for exact temperature simulation.

Platinum, nickel and copper calibrations are available in both degrees F and C. The table lists the standard ranges, other ranges and curves are available options. Resolution is 25, 50 or 100 degrees, corresponding to full scale 6 tput of 250 500 and 1000 degrees respectively

Positive switch selection allows quick easy settings for any output. Calibrated accuracy for most models is ±0.1°C.

The low cost ALTEK MODEL compact simulator for checkout and calibration of all RTD instruments in the field, shop or control room.

Select the ALTEK MODEL 14 to correct RTD type and curve, the desired temperature scale (F or C), and range. Connect the ALTEK RTD SIMULATOR leads tightly to the input terminals of the instrument to be tested, the field mounted head or the junction box terminals. Set the temperature selection switch to the desired temperature. End point calibration temperatures of the instrument are then selected on the MODEL 11 and any required adjustments are made. Intermediate points may be selected to verify instrument linearity or check critical points.

OKY ±0.1°C (±0.2°F) 20 0 hm ±0.1°C (±0.2°F)

604 Ohm ±0.1°C (±0.2°F)

19 Ohm ±1.0°C (±2.0°F) Temperature Drift: ±0.01%/°C

Allowable Excitation Current: 0 to 15 milliamps,

steady or intermittent

Operating Temperature Range: -25 to 55°C

(130°F)

Starage Temperature Range: -40 to 70°C

40 to 180°F)

Relative Humidity: 10 to 90%, non-condensing **Size:** 2 1/8 x 4 x 2 1/4 inches (54 x 102 x 55 mm)

Weight: 3 ounces (0.12 kg)

Optional Carrying Case: Zippered with belt loop

Specifications subject to change without notice. Unless otherwise indicated, all specifications are referred to an ambient temperature of 23°C ±1°C (72°F ±2°F).

WARRANTY

Our equipment is guaranteed against defective material and workmanship (excluding batteries) for a period of three years from date of shipment. Claims under quarantee can be made by returning the equipment prepaid to our factory. The equipment will be replaced, repaired or adjusted at our option. The liability of Altek is restricted to that given under our guarantee. No responsibility is accepted for damage, loss or other expense incurred through sale or use of our equipment. Under no condition shall Altek be liable for any special, incidental or consequential damage.

ALTEK INDUSTRIES CORP A TRANSMATION COMPANY

35 Vantage Point Drive NIST, ISO, IEC, ANSI NCSL, MIL-STD by www.raeservices.com (716) 349-3500 • Fax (716) 349-3510

To receive a calibration and/or repair quote-RMA from R.A.E. Services Inc. Click here>> www.raeservices.com/services/quote.htm RTD TRANSMITTE OR RECEIVER RTD TRANSMITTER OR RECEIVER O COMP -0 -0 COMP -0 -0 -Ø. FOUR WIRE ISOLATED COMPENSATION RTD TRANSMITTER OR RECEIVER RTD TRANSMITTER BLK 0 COMP BLK SENSOR -0 SENSOR -0 COMP ORDERING INFORM **STANDARD RANGES -** 11 equal temperature steps 0 Platinum (Pt) **Order Model** *Insert Curve or Alpha (α) Value *1.3850 DIN/IEC 751, DIN 43760, JIS 11-Pt 100-(*)-250F 11-Pt 100-(*)-250C ຳ.3902 US Industrial, ຊີປາດຣ 11-Pt 100-(* *1.3916 JIS 1604-1981)-500F *1.3926 US Laborator 11-Pt 100-(*)-500C 11-Pt 100-(*)-1000F *1.375 Curve or Alpha (α) Value *Insert Curve or Alpha (α) Value 25° steps If not specified, Alpha =1.3850 Example: 11-Pt 100-1.3850-500F Contact ALTEK for Pt 200, 500 & 1000 Ohm Copper (Cu), Nickel (Ni), Nicke Hron (NiFe) **Order Model** Material

Altek designs and manufactures tast, accurate instruments for measurement, generation and simulation of virtually every process control signal. Consult our factory directly or contact your local stocking representative to order precise, low cost Milliamp Calibrators, Voltage Sources, Direct Thermocouple Sources, RTD Simulators and Frequency Sources. Altek also produces calibrators for custom ranges and unique applications. Additional models and ranges are frequently added to the Altek instrument family to meet all of your critical calibration requirements. Altek products are made in the USA.

0.0hm Migdx 16-9

Industrial

11-(*)-250F

11-(*)-500F / *Insert material

)-250C

11-(*

AVAILABLE FROM

100° steps

50° steps