

TEMPERATURE SIMULATOR

TECHNICAL DATA

FEATURES

- 6-digit LCD readout
- Automatic calibration
- User selectable auto power-off
- Includes set of industrial test leads, alligator clips, protective holster, soft carrying case, and battery

SPECIFICATIONS

Voltage Range: 100mV; 1V

Output Range: -10.00 to 110.00mV; -0.1000 to 1.1V

Resolution: 0.01mV; 0.1mV

Accuracy: $\pm 0.05\%$ setting $\pm 30\mu\text{V}$; $\pm 0.05\%$ setting $\pm 0.3\text{mV}$

Resistance Range: 400 Ω

Output Range: 0.0 to 400.0 Ω

Resolution: 0.1 Ω

Accuracy: $\pm 0.05\%$ reading $\pm 0.2\Omega$

I/O Type	Temp. Range	Res'n	Output Acc'y
RT/C	-40 to 1760°C	1°C	$\leq 100^\circ\text{C}$: $\pm 0.5\% \pm 3^\circ\text{C}$ $> 100^\circ\text{C}$: $\pm 0.5\% \pm 2^\circ\text{C}$
ST/C	-20 to 1760°C	1°C	$\leq 100^\circ\text{C}$: $\pm 0.5\% \pm 3^\circ\text{C}$ $> 100^\circ\text{C}$: $\pm 0.5\% \pm 2^\circ\text{C}$
BT/C	400 to 1800°C	1°C	$\leq 600^\circ\text{C}$: $\pm 0.5\% \pm 3^\circ\text{C}$ $> 600^\circ\text{C}$: $\pm 0.5\% \pm 2^\circ\text{C}$
ET/C	-200.0 to 1000.0°C	0.1°C	$\leq 100^\circ\text{C}$: $\pm 0.5\% \pm 2^\circ\text{C}$ $> 100^\circ\text{C}$: $\pm 0.5\% \pm 1^\circ\text{C}$
KT/C	-200.0 to 1370.0°C	0.1°C	$\leq 100^\circ\text{C}$: $\pm 0.5\% \pm 2^\circ\text{C}$ $> 100^\circ\text{C}$: $\pm 0.5\% \pm 1^\circ\text{C}$
JT/C	-200.0 to 1200.0°C	0.1°C	$\leq 100^\circ\text{C}$: $\pm 0.5\% \pm 2^\circ\text{C}$ $> 100^\circ\text{C}$: $\pm 0.5\% \pm 1^\circ\text{C}$
TT/C	-200.0 to 400.0°C	0.1°C	$\leq 100^\circ\text{C}$: $\pm 0.5\% \pm 2^\circ\text{C}$ $> 100^\circ\text{C}$: $\pm 0.5\% \pm 1^\circ\text{C}$
NT/C	-200.0 to 1300.0°C	0.1°C	$\leq 100^\circ\text{C}$: $\pm 0.5\% \pm 2^\circ\text{C}$ $> 100^\circ\text{C}$: $\pm 0.5\% \pm 1^\circ\text{C}$

Pt100 RTD -200.0 to 850.0°C 0.1°C $\pm 0.05\% \pm 0.6^\circ\text{C}$

Cu50 RTD -50.0 to 150.0°C 0.1°C $\pm 0.05\% \pm 0.6^\circ\text{C}$

Power Supply: Single 9V alkaline battery

Battery Life: Approx. 25 hours

Dimensions: 200 x 100 x 40mm w/ holster

Weight: 550g w/ holster



ORDERING INFORMATION

VC01 Temperature Simulator

CERTICA2 NIST Calibration Certificate

VC01-NIST Temperature Simulator & NIST