

TEMPERATURE SIMULATOR

TECHNICAL DATA

FEATURES

- 6-digit LCD readout
- Automatic calibration
- User selectable auto power-off
- Includes set of industrial test leads with alligator clips, 9V battery, instruction manual and soft carrying case

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
R T/C	-40 to 1760° C	1° C	$\leq 100^\circ\text{C}$	$\pm 0.5\% \pm 3^\circ\text{C}$
			$> 100^\circ\text{C}$	$\pm 0.5\% \pm 2^\circ\text{C}$
S T/C	-20 to 1760° C	1° C	$\leq 100^\circ\text{C}$	$\pm 0.5\% \pm 3^\circ\text{C}$
			$> 100^\circ\text{C}$	$\pm 0.5\% \pm 2^\circ\text{C}$
B T/C	400 to 1800° C	1° C	$\leq 600^\circ\text{C}$	$\pm 0.5\% \pm 3^\circ\text{C}$
			$> 600^\circ\text{C}$	$\pm 0.5\% \pm 2^\circ\text{C}$
E T/C	-200.0 to 1000.0° C	0.1° C	$\leq 100^\circ\text{C}$	$\pm 0.5\% \pm 2^\circ\text{C}$
			$> 100^\circ\text{C}$	$\pm 0.5\% \pm 1^\circ\text{C}$
K T/C	-200.0 to 1370.0° C	0.1° C	$\leq 100^\circ\text{C}$	$\pm 0.5\% \pm 2^\circ\text{C}$
			$> 100^\circ\text{C}$	$\pm 0.5\% \pm 1^\circ\text{C}$
J T/C	-200.0 to 1200.0° C	0.1° C	$\leq 100^\circ\text{C}$	$\pm 0.5\% \pm 2^\circ\text{C}$
			$> 100^\circ\text{C}$	$\pm 0.5\% \pm 1^\circ\text{C}$
T T/C	-200.0 to 400.0° C	0.1° C	$\leq 100^\circ\text{C}$	$\pm 0.5\% \pm 2^\circ\text{C}$
			$> 100^\circ\text{C}$	$\pm 0.5\% \pm 1^\circ\text{C}$
N T/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 Accredited Calibration Certificate