

# Temperature Calibrator



## Features:

- 5-digit LCD readout
- $\pm 0.05\%$  accuracy
- Automatic calibration
- User selectable auto power-off

Model	Description
vC01	Temperature Calibrator

## Specifications:

### OUTPUT FUNCTION

Voltage Range: 100mV; 1000mV  
 Output Range: -10.00 to 110.00mV; -100.00 to 1100.0mV  
 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 $\Omega$   
 Output Range: 0.0 to 400.0 $\Omega$   
 Resolution: 0.1 $\Omega$   
 Accuracy:  $\pm 0.05\%$  reading  $\pm 0.2\Omega$

Output Type	Temp Range	Res'n	Output	Accuracy
RT/C	-40 to 1760 $^{\circ}\text{C}$	1 $^{\circ}\text{C}$	$\leq 100^{\circ}\text{C}$ : >100 $^{\circ}\text{C}$ :	$\pm 0.5\% \pm 3^{\circ}\text{C}$ ; $\pm 0.5\% \pm 2^{\circ}\text{C}$
ST/C	-20 to 1760 $^{\circ}\text{C}$	1 $^{\circ}\text{C}$	$\leq 100^{\circ}\text{C}$ : >100 $^{\circ}\text{C}$ :	$\pm 0.5\% \pm 3^{\circ}\text{C}$ ; $\pm 0.5\% \pm 2^{\circ}\text{C}$
BT/C	400 to 1800 $^{\circ}\text{C}$	1 $^{\circ}\text{C}$	$\leq 600^{\circ}\text{C}$ : >600 $^{\circ}\text{C}$ :	$\pm 0.5\% \pm 3^{\circ}\text{C}$ ; $\pm 0.5\% \pm 2^{\circ}\text{C}$
ET/C	-200.0 to 1000.0 $^{\circ}\text{C}$	0.1 $^{\circ}\text{C}$	$\leq 100^{\circ}\text{C}$ : >100 $^{\circ}\text{C}$ :	$\pm 0.5\% \pm 2^{\circ}\text{C}$ ; $\pm 0.5\% \pm 1^{\circ}\text{C}$
KT/C	-200.0 to 1370.0 $^{\circ}\text{C}$	0.1 $^{\circ}\text{C}$	$\leq 100^{\circ}\text{C}$ : >100 $^{\circ}\text{C}$ :	$\pm 0.5\% \pm 2^{\circ}\text{C}$ ; $\pm 0.5\% \pm 1^{\circ}\text{C}$
JT/C	-200.0 to 1200.0 $^{\circ}\text{C}$	0.1 $^{\circ}\text{C}$	$\leq 100^{\circ}\text{C}$ : >100 $^{\circ}\text{C}$ :	$\pm 0.5\% \pm 2^{\circ}\text{C}$ ; $\pm 0.5\% \pm 1^{\circ}\text{C}$
TT/C	-200.0 to 400.0 $^{\circ}\text{C}$	0.1 $^{\circ}\text{C}$	$\leq 100^{\circ}\text{C}$ : >100 $^{\circ}\text{C}$ :	$\pm 0.5\% \pm 2^{\circ}\text{C}$ ; $\pm 0.5\% \pm 1^{\circ}\text{C}$
NT/C	-200.0 to 1300.0 $^{\circ}\text{C}$	0.1 $^{\circ}\text{C}$	$\leq 100^{\circ}\text{C}$ : >100 $^{\circ}\text{C}$ :	$\pm 0.5\% \pm 2^{\circ}\text{C}$ ; $\pm 0.5\% \pm 1^{\circ}\text{C}$
Pt100RTD	-200.0 to 850.0 $^{\circ}\text{C}$	0.1 $^{\circ}\text{C}$	$\pm 0.05\%$	$\pm 0.6^{\circ}\text{C}$
Cu50RTD	-50.0 to 150.0 $^{\circ}\text{C}$	0.1 $^{\circ}\text{C}$	$\pm 0.05\%$	$\pm 0.6^{\circ}\text{C}$

### GENERAL

Power Supply: Single 9V alkaline battery  
 Battery Life: Approx. 12 hours  
 Ambient Conditions: -10 to 55 $^{\circ}\text{C}$ ;  $\leq 80\%$  RH  
 Dimensions: 200x100x40mm w/holster  
 Weight: 550g w/holster