

# Temperature calibrator VC01



1. Not including the accessorial lead resistance.
2. The range of exciting current:0.5mA~2mA, the max.output voltage $\leq$ 2V.
3. Not including the accuracy of inner temperature compensatory transducer.

The range of inner temperature compensatory transducer:-10-50°C,compensatory error  $\leq$ 0.5°C.

4. Temperature coefficient:  $\pm$ 0.005%, range /°C(0°C-18°C,28°C-50°C).



Output	Range	Output range	Resolution	Accuracy	Explanation
Voltage	100mV	-10.00 ~110.00mV	0.01mV	$\pm$ 0.05% Setting value $\pm$ 30uV	The max. output current $\pm$ 5mA
	1000mV	- 100.00~1100.0mV	0.1mV	$\pm$ 0.05% Setting value $\pm$ 0.3mV	
Resistance	400 $\Omega$	0.0~400.0 $\Omega$	0.1 $\Omega$	$\pm$ 0.05% Setting value $\pm$ 0.2 $\Omega$	1mA exciting current (note 1.2)
Thermocouple	R	-40~1760°C	1°C	$\pm$ 0.05% Setting value $\pm$ 3°C ( $\leq$ 100°C)	Adopt the ITS-90
	S	-20~1760°C	1°C	$\pm$ 0.05% Setting value $\pm$ 2°C (> 100°C)	
	B	400~1800°C	1°C	$\pm$ 0.05% Setting value $\pm$ 3°C (400~600°C)	temperature standard
				$\pm$ 0.05% Setting value $\pm$ 2°C (> 600°C)	
	E	-200.0~1000.0°C	0.1°C	$\pm$ 0.05% Setting value $\pm$ 2°C ( $\leq$ -100°C)	(Note 3)
	K	-200.0~1370°C	0.1°C		
	J	-200.0~1200.0°C	0.1°C	$\pm$ 0.05% Setting value $\pm$ 1°C (> -100°C)	
	T	-200.0~400.0°C	0.1°C		
N	-200.0~1300.0°C	0.1°C			
Thermo-resistance	Pt100	-200.0~850.0°C	0.1°C	$\pm$ 0.05% Setting value $\pm$ 0.6°C	Adopt the PT100-385 1mA
					(Note 1.2)
	Cu50	-50.0~150.0°C	0.1°C		