VICTOR 01   Temperature calibrator

Technical data（Output function)

Output	Range	Output range	Resolution	Accuracy	Explanation
Voltage	100mV	-10.00~110.00mV	0.01mV	±0.05% Setting value ±30uV	The max. output current
	1000mV	-100.00~1100.00mV	0.1mV	±0.05% Setting value ±0.3mV	±5mA
Resistance	400Ω	0.0~400.0Ω	0.1Ω	±0.05% Setting value ±0.2Ω	1mA exciting current (note1.2)
Thermocouple	R	-40~1760℃	1℃	±0.05% Setting value ±3℃(≤100℃)	Adopt the ITS-90
	S	-20~1760℃	1℃	±0.05% Setting value ±2℃(>100℃)	temperature standard
	B	400~1800℃	1℃	±0.05% Setting value ±3℃(400~600℃)	(Note 3)
				±0.05% Setting value ±2℃(>600℃)	
	E	-200.0~1000.0℃	0.1℃	±0.05% Setting value ±2℃(<-100℃)	
	K	-200.0~1370℃		±0.05% Setting value ±1℃(>-100℃)	
	J	-200.0~1200.0℃			
	T	-200.0~400.0℃			
	N	-200.0~1300.0℃			
Thermo-resistance	Pt100	-200.0~850.0℃	0.1℃	±0.05% Setting value ±0.6℃	Adopt the Pt100-385 1mA
	Cu50	-50.0~150.0℃			(Note 1、2)

Note:
1.Not including the accessorial lead resistance
2.The range of exciting current:0.5mA~2mA,the max.output voltage≤2V
3.Not including the accuracy of inner temperature compensatory transducer.
The range of inner temperature compensatory transducer:-10-50℃,
Compensatory error ≤0.5℃.
4.Temperature coefficient：±0.005%，range/℃(0℃-18℃,28℃-50℃)

VICTOR 02   Thermocouple calibrator

Technical data（Output function)

Output	Range	Output range	Resolution	Accuracy	Explanation
Voltage	100mV	-10.00~110.00mV	0.01mV	±0.05% Setting value ±30uV	The max. output current
	1000mV	-100.00~1100.00mV	0.1mV	±0.05% Setting value ±0.3mV	±5mA
Thermocouple	R	-40~1760℃	1℃	±0.05% Setting value ±3℃(≤100℃)	Adopt the ITS-90
	S	-20~1760℃	1℃	±0.05% Setting value ±2℃(>100℃)	temperature standard
	B	400~1800℃	1℃	±0.05% Setting value ±3℃(400~600℃)	(Note 1)
				±0.05% Setting value ±2℃(>600℃)	
	E	-200.0~1000.0℃	0.1℃	±0.05% Setting value ±2℃(<-100℃)	
	K	-200.0~1370℃		±0.05% Setting value ±1℃(>-100℃)	
	J	-200.0~1200.0℃			
	T	-200.0~400.0℃			
	N	-200.0~1300.0℃			

Measuring function

Input	Range	Input range	Resolution	Accuracy	Explanation
Voltage	100mV	-10.00~110.00mV	10uV	±0.05% Measuring value ±30uV	Input Resistance 1MΩ
Thermocouple	R	-40~1760℃	1℃	±0.05% Measuring value ±3℃(≤100℃)	Input tesistance 1MΩ
	S	-20~1760℃	1℃	±0.05% Measuring value ±2℃(>100℃)	Adopt the ITS-90
	B	400~1800℃	1℃	±0.05% Measuring value ±3℃(400~600℃)	temperature standard
				±0.05% Measuring value ±2℃(>600℃)	(Note 3)
	E	-200.0~1000.0℃	0.1℃	±0.05% Measuring value ±2℃(<-100℃)	
	K	-200.0~1370℃		±0.05% Measuring value ±1℃(>-100℃)	
	J	-200.0~1200.0℃			
	T	-200.0~400.0℃			
	N	-200.0~1300.0℃			

Note:
1.Not including the accuracy of inner temperature compensatory transducer.
The range of inner temperature compensatory transducer:-10-50℃,
compensatory error ≤0.5℃.
2.Temperature coefficient：±0.005%，range/℃(0℃-18℃,28℃-50℃)

VICTOR 25

General Characters

Power	4×1.5V AAA alkalescence battery / electricize battery
Working temperature and humidity	0~50℃，≤80%RH；70%RH<40~50℃
Deposited temperature and humidity	-25 to 60℃，≤90%RH
Working height	≤2000m cannot under height
Shake and concussion	Randomicity 2g, 5~500Hz testing under 1 meter
Proof cycle	1 year
Warm-up time	Boot-strap warm-up time is 10 minute or other
Display	LCD double displaying:68.0×36.3mm
Backlight	White LED backlight , can set BL time 0~9000s
Accessory	Test leads , fuse , instruction manual
Size and weight	205×95×42mm, weight about 500g

VICTOR 01
Accuracy:
±0.05%

VICTOR 02
Accuracy:
±0.05%

VICTOR 03   Thermo resistance calibrator

Technical data（Measuring function)

Input	Range	Input range	Resolution	Accuracy	Explanation
Resistance	400Ω	0.0~450.0Ω	0.1Ω	±0.05% Setting value ±0.2Ω	Measuring current 1mA Note1
Thermo-resistance	Pt100	-200.0~850.0℃	0.1℃	±0.05% Setting value ±0.6℃	1mA exciting current use Pt100-385
					Measuring current 1mA Note1.2
	Cu50	-50.0~150.0℃			1mA exciting current Note 1.2

Output function

Output	Range	Output range	Resolution	Accuracy	Explanation
Resistance	400Ω	0.0~400.0Ω	0.1Ω	±0.05% Setting value ±0.2Ω	±1mA exciting current Note 1.2
Thermo-resistance	Pt100	-200.0~850.0℃	0.1℃	±0.05% Setting value ±0.6℃	±1mA exciting current use Pt100-385
					Note1.2
	Cu50	-50.0~150.0℃			±1mA exciting current Note 1.2

General Characters

Power	9V battery（ANSI/NEDA 1640A or IEC 6LR 619 alkaline）or AC power adapter
Battery	Approx. 20 hours under the condition of 10mA
Max.allowable voltage	30V
Operation temperture rang	0~50℃
Operation humidity range	≤80%RH
Store temperature range	≤-10℃~50℃
Store humidity range	≤90%RH
Size	200×100×40mm
Weight	550g（with holster）
Accessories	Operation manual , test line CF-36 (probe with alligator clip)
Options	AC adapter (VCPS),test line CF-31-A (probe clip)
Security	Conforms to IEC 1010

Note:
1.Not including the accessorial lead resistance
2.The range of exciting current:0.5mA~2mA,the max.output voltage≤2V
3.Temperature coefficient：±0.005%，range/℃(0℃-18℃,28℃-50℃)

VICTOR 04   V/mA calibrator

Technical data（Output function)

Output	Range	Output range	Resolution	Accuracy	Explanation
Voltage	10V	0.000~11.000V	1mV	±0.05% Setting value ±2mV	The max. output current is 10mA
Current	20mA	0.000~22.000mA	0.001mA	±0.05% Setting value ±4uA	20mA, the max.overload is 1kΩ(Note 1)
Analogue transducer（absorption)	-20mA	0.000~-22.000mA	0.001mA	±0.1% Setting value ±4uA	20mA, the max.overload is 1kΩ
Loop power	24V			±10%	The max.output current is 25mA

General Characters

Power	9V battery（ANSI/NEDA 1640A or IEC 6LR 619 alkaline）or AC power adapter
Battery	Approx. 20 hours under the condition of 10mA
Max.allowable voltage	30V
Operation temperture rang	0~50℃
Operation humidity range	≤80%RH
Store temperature range	≤-10℃~50℃
Store humidity range	≤90%RH
Size	200×100×40mm
Weight	550g（with holster）
Accessories	Operation manual , test line CF-36 (probe with alligator clip)
Options	AC adapter (VCPS),test line CF-31-A (probe clip)
Security	Conforms to IEC 1010

Note:
1.The max.overlaod is 1kΩ at 20mA range when the power is higher than 6.8V,
The max.overlaod is 700Ω at 20mA range when the power is higher than 5.8-6.8V,
2.Temperature coefficient：±0.005%，range/℃(5℃-28℃,18℃-40℃)

VICTOR 03
Accuracy:
±0.05%

VICTOR 04
Accuracy:
±0.05%