

General Feature

- **Power** : Two 1.5V alkaline batteries(LR6)
- **Power consumption** : About 60m/3V
- **Maximum allowed voltage** : 30V (within terminals or between terminal and earth ground)
- **Operation temperature range** : 0°C ~ 50°C
- **Operation humidity range** : ≤ 80%RH
- **Storage temperature range** : ≤ - 10°C ~ 55°C
- **Storage humidity range** : ≤ 90%RH
- **Temperature coefficient** : 0.1 × (dedicated accuracy) %/°C (5°C ~ 18°C , 28°C ~ 40°C)
- **Measurement** : 180 (L) × 90 (W) ×47 (D) mm (with protector)
- **Weight** : About 500g
- **Accessory** : User's Manual, industrial testing lead CF-36 (clips for probe)
- **Safety** : Complies with IEC1010 (safety standard issued by International Electrician Committee)



TECHNICAL SPECIFICATIONS

Accuracy is specified for a period of one year after calibration, at 23±5°C, with relative humidity to 75%.

Accuracy specifications are given as: ± ([% of reading] + [number of least significant digits])
("Counts" refers to the number of increments or decrements of the least significant digit).

Output	Range	Output range	Resolution	Accuracy	Illustration
DCV	100mV	-10.00 ~ 110.00mV	0.01mV	0.05%+ 30uV	Max. output current ±2mA
	1000mV	-100.0 ~ 1100.0mV	0.1mV	0.05%+0.3mV	
OMH	400Ω	0.0 ~ 400.0Ω	0.1Ω	0.05%+0.2Ω	±0.5 ~ ±3mA Note 1, Note 2
	4000Ω	0 ~ 4000Ω	1Ω	0.05%+2Ω	±0.05 ~ ±0.3 mA Note 1, Note 2
TC	R	-40 ~ 1760°C	1°C	0.05%+3°C (less than or equals to 100°C) 0.05%+2°C (more than 100°C)	Employs ITS-90 temperature standard Note 3
	S	-20 ~ 1760°C	1°C		
	B	400 ~ 1800°C	1°C	0.05%+3°C (400~600°C) 0.05%+2°C (more than 600°C)	
	E	-200.0 ~ 1000.0°C	0.1°C	0.05%+2°C (less than or equals to -100°C) 0.05%+1°C (more than -100°C)	
	K	-200.0 ~ 1370°C	0.1°C		
	J	-200.0 ~ 1200.0°C	0.1°C		
	T	-200.0 ~ 400.0°C	0.1°C		
N	-200.0 ~ 1300.0°C	0.1°C			

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Output	Range	Output range	Resolution	Accuracy	Illustration
RTD	Cu10	-10.0°C ~ 250.0°C	0.1°C	0.05%+0.6°C	incentive current is $\pm 0.5 \sim \pm 3$ mA when the incentive current is $\pm 0.1 \sim 0.5$ mA , add 0.5°C additional error
	Cu50	-50.0°C ~ 150.0°C	0.1°C	0.05%+0.6°C	
	Pt10 385	-200.0°C ~ 850.0°C	0.1°C	0.05%+0.6°C	
	Pt100 385	-200.0°C ~ 850.0°C	0.1°C	0.05%+0.6°C	Incentive current is $\pm 0.05 \sim \pm 0.3$ mA
	Pt200 385	-200°C ~ 630°C	0.1°C	0.05%+0.6°C	
	Pt500 385	-200°C ~ 630°C	0.1°C	0.05%+0.6°C	
	Pt1000 385	-200.0°C ~ 630.0°C	0.1°C	0.05%+0.6°C	

Note 1: Affiliated resistance of test lead is excluded

Note 2: The range of incentive current is from 0.05mA to 3mA, and the maximum output is less than or equals to 2V

Note 3: The accuracy does not include the error of interior temperature compensation sensor the range of interior temperature compensation sensor is from -10 to 50°C, and the error compensation is less than or equals to 0.5°C



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