

## General Features

- **Power** : Two 1.5V alkaline batteries (LR6)
- **Power consumption** : About 70m/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 function and technical index

Output function	Range	Output range	Resolution	Accuracy	Illustration	
Simulate resistance OHM	400Ω	0.0 ~ 400.0Ω	0.1Ω	0.05%+2	Incentive current is set as: ± 0.5 ~ ± 3mA When the incentive current is set as ±0.1 ~ 0.5mA, add an extra 0.1Ω to additional error. The accuracy does not include lead resistance	
	4000Ω	0 ~ 4000Ω	1Ω	0.05%+2	Incentive current is set as ± 0.05 ~ ± 0.3mA The accuracy does not include lead resistance	
Thermal resistance RTD	Cu10	-10°C ~ 250°C	0.1°C	0.05% + 6	Incentive current is set as ±0.5 ~ ± 3mA When the incentive current is set as ±0.1 ~ 0.5mA, add an extra 0.5°C to additional error.	Employs Pt (385) standard temperature The accuracy does not include lead resistance
	Cu50	-50.0°C ~ 150.0°C				
	Pt10 385	-200.0°C ~ 850.0°C				
	Pt100 385	-200.0°C ~ 850.0°C				
	Pt200 385	-200°C ~ 630°C				
	Pt500 385	-200°C ~ 630°C				
Pt1000 385	-200.0°C ~ 630.0°C	Incentive current is set as ± 0.05 ~ ± 0.3mA				

\*Technical Specifications & Appearance are subject to change without prior notice

**Input function and technical index**

Input function	Range	Output range	Resolution	Accuracy	Illustration
Resistance OHM	500Ω	0.0 ~ 500.0Ω	0.1Ω	0.05% + 2	Measurement current : about 1mA Open circuit voltage : about 2.5V The accuracy does not include lead resistance
	5000Ω	0 ~ 5000Ω	1Ω	0.05% + 2	Measurement current : about 1mA Open circuit voltage : about 2.5V the accuracy does not include lead resistance
Thermal resistance RTD	Cu10	-10°C ~ 250°C	0.1°C	0.05% + 0.6°C	The incentive current is set as : ±0.5 ~ ±3mA When the incentive current is set as ±0.1~ 0.5mA, add an extra 0.5°C to additional error.
	Cu50	-50.0°C ~ 150.0°C			
	Pt10 385	-200.0°C ~ 850.0°C			
	Pt100 385	-200.0°C ~ 850.0°C			Incentive current is set as ±0.05 ~ ±0.3mA
	Pt200 385	-200°C ~ 630°C			
	Pt500 385	-200°C ~ 630°C			
	Pt1000 385	-200.0°C ~ 630.0°C			



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