



## Nascon Instruments

*Process control instrumentation*

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### 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	

### Output function and technical index

Output 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	-10.0°C~250.0°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			
	Pt200 385	-200°C~630°C			
	Pt500 385	-200°C~630°C			Incentive current is set as ±0.05~±0.3mA
	Pt1000 385	-200.0°C~630.0°C			

### **General Feature**

- 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 **H000001 (including alligator clip)**
- safety : complies with IEC1010 (safety standard issued by International Electrician Committee)