

TEMPERATURE AND HUMIDITY DATA LOGGER CODE THL-A01



12 wiring terminals, 24 test channels

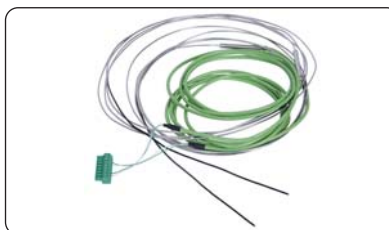


sensor wiring mode

- Suitable for testing the temperature field, humidity field, uniformity and volatility of various temperature (humidity) environment experimental equipment, industrial furnaces and verification furnaces
- 24 channels can be independently configured as thermocouple, platinum resistance, humidity sensor and analog input mode
- Each channel provides an accuracy advantage over 0.15°C thermocouple for cold-end compensation
- Support voltage, resistance, temperature, humidity and other data formats display, storage and output
- Support Wireless Network, RS232 communication mode: Wireless Network can remotely browse real-time data and download stored data, RS232 communication protocol based on RSCII code for encoding and reading data
- Built-in 8G large capacity memory, data can be exported via USB port



platinum resistance PT100 (optional)



K-type thermocouple (optional)



humidity sensor (optional)

SPECIFICATION OF TEMPERATURE AND HUMIDITY DATA LOGGER

	Type (electrical signal)	Range	Resolution	Accuracy
Temperature	PT100	-200 ~950°C	0.001°C	0.05°C at 0°C
				0.08°C at 300°C
				0.12°C at 600°C
	K	-200°C~1300°C	0.01°C	0.5°C
	J	-200°C~900°C		0.5°C
	T	-200°C~400°C		0.5°C
	E	-200°C~1000°C		0.5°C
	N	-200°C~1300°C		0.5°C
	B	250°C~1820°C		0.8°C at 1000°C
R	0°C~1768°C	0.7°C at 1000°C		
S	0°C~1768°C	0.9°C at 1000°C		
Humidity	-	0%RH~100%RH		0.01%RH
Voltage	range: 100mV	-10mV~100mV	0.1μV	0.01% of reading+0.008% of full scall
	range: 1V	0V~1V	0.1mV	0.01% of reading+0.008% of full scall
Resistance	range: 400Ω	0Ω~400Ω	0.1mΩ	0.004% of reading+0.004% of full scall
Sampling mode	24-channel synchronous sampling			
Sampling speed	0.2s/24 channel			
Memory	8G			
Output	USB, wireless, RS232			
Operation environment	temperature: 5°C~35°C			
	humidity: 0%RH~85%RH (non-condensing)			
Storage environment	temperature: 5°C~35°C			
	humidity: 0%RH~85%RH (non-condensing)			
Power supply	power adapter			
Dimension	250×180×75mm			
Weight	1.7kg			

STANDARD DELIVERY

Main unit	1 pc
Power adapter	1 pc
16G USB flash disk	1 pc

OPTIONAL ACCESSORY

Platinum resistance PT100	THL-A01-PT100
K-type thermocouple	THL-A01-K
Humidity sensor	THL-A01-H

SPECIFICATION OF SENSOR (OPTIONAL)

Product	Code	Range	Accuracy
platinum resistance PT100	THL-A01-PT100	-80°C~300°C	class A: $\pm(0.150^{\circ}\text{C}+0.002 \cdot t)$
K-type thermocouple	THL-A01-K	300°C~1000°C	class 1: $\pm 1.5^{\circ}\text{C}$ (at 300°C~375°C), $\pm 0.004 \cdot t$ (at 375°C~1000°C)
humidity sensor	THL-A01-H	0%RH~100%RH	0.8%RH (at 23°C)