TEMPERATURE AND HUMIDITY DATA LOGGER
PART NO. THL-A05
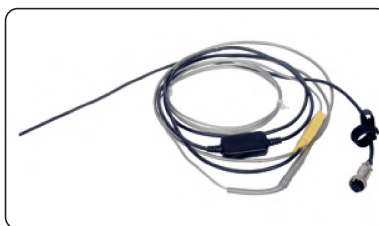
DATA OUTPUT

printer (included)

32 channels, can arbitrarily connect temperature, humidity, and atmospheric pressure sensors

5.5" touch-screen display

USB interface
(insert a USB flash disk to export data)

RS485 interface, connect to computer software

- Suitable for testing the uniformity and fluctuation of temperature and humidity field such as environment test equipment, industrial furnace, verification furnace, etc.
- 32-channel can be independently configured for thermocouple, resistance temperature detector, humidity, and atmospheric pressure inputs
- 32-channel independent and synchronous acquisition with configurable parameters such as sampling duration, interval
- Built-in high-capacity memory that can store up to 500 data sets (10,000 samples per set)
- User-friendly human-machine interface with touchscreen operation, featuring functions such as measurement, display, printing, automatic calibration, manual correction, storage, and parameter setting
- Computer software is included

platinum resistance PT100 (**optional**)

K-type thermocouple (**optional**)

humidity sensor (**optional**)

atmospheric pressure sensor (**optional**)

SPECIFICATION

Temperature (sensor optional)	type	platinum resistance PT100	K-type thermocouple
	range	-100°C~300°C	300°C~1200°C
	resolution	0.01°C	0.01°C
	accuracy	±0.2°C (at -100°C~-50°C) ±0.1°C (at -50°C~200°C) ±0.2°C (at 200°C~300°C)	±0.004·t
	lead length	196.9"	39.4" thermocouple wire, 118.1" extension lead
Humidity (sensor optional)	range	0%RH~100%RH	
	resolution	0.01%RH	
	accuracy	±1.5%RH	
	lead length	196.9"	
Atmospheric pressure (sensor optional)	range	300hPa~1100hPa	
	resolution	0.01hPa	
	accuracy	±1hPa	
	lead length	196.9"	
Channel		32 channels (automatic identification of platinum resistance, thermocouple, humidity and atmospheric pressure sensors)	
Memory		capable of storing up to 500 data sets (10,000 samples per set), support exporting reports in multiple formats such as EXCEL or PDF	
Output		USB, RS485	
Printing		can print real-time data during inspection and print historical data	
Operation environment		temperature: 41°F~95°F humidity: 0%RH~85%RH (non-condensing)	
Power supply		built-in 10200mAh rechargeable lithium-ion battery (operating time ≥6hours); power adapter AC: 110V~220V	
Dimension (L×W×H)		11.02×7.09×3.54"	
Weight		3.35lb	

STANDARD DELIVERY

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

OPTIONAL ACCESSORY

Platinum resistance PT100	**THL-A05-PT100**
K-type thermocouple	**THL-A05-K**
Humidity sensor (Rotronic)	**THL-A05-H**
Atmospheric pressure sensor	**THL-A05-AP**