

Temperature and Humidity Transmitter

- RS485/Analog type
- Network type
- Wireless type
- Measurement Accuracy/High Stability
Wide Application/Multiple output signal
options/High reliability/Adjustability
Easy installation



Large LCD Temperature and Humidity Transmitter Recorder

Product Characteristics

- Power Supply: 10-30VDC(P≤0.4W)
- A-Grade Accuracy: Temperature: ±0.4°C (25°C)
Humidity: ±2%RH (60%RH,25°C)
- Temperature Range: -40°C~+120°C, Default -40°C~+80°C
- Signal Output: RS485 (Modbus-RTU)
- Humidity Range: 0%RH~100%RH
- Product Dimensions: 122mm*102mm*36mm
- Operating Temperature and Humidity of the Circuit: -20°C~+60°C, 0%RH-95%RH (Non-Condensation)
- Typical Characteristics: Capable of Recording 65,000 data Entries Equipped With Sound and Light Alarms and Automatic Control



Wangzi Shell LCD Temperature and Humidity Transmitter

Product Characteristics

- Power Supply: 10-30VDC(P≤0.4W)
- A-Grade Accuracy: Temperature: ±0.4°C (25°C)
Humidity: ±2%RH (60%RH,25°C)
- Temperature Range: -40°C~+80°C
- Signal Output: RS485 (Modbus-RTU)
- Humidity Range: 0%RH~100%RH
- Product Dimensions: 110mm*85mm*44mm
- Operating Temperature and Humidity of the Circuit: -20°C~+60°C, 0%RH-95%RH (Non-Condensation)
- Response Time: Humidity: ≤ 8s (at 1m/s air Velocity)
Temperature: ≤ 25s (at 1m/s air Velocity)
- Typical Characteristics: Built-in and Extension Types of Probes are Available, with Probe Cables Reaching up to 30 Meters in Length



Wall-mounted Temperature and Humidity Transmitter

Product Characteristics

- Power Supply: 10-30VDC(P≤0.036W)
- A-Grade Accuracy: Temperature: ±0.4°C (25°C)
Humidity: ±2%RH (60%RH,25°C)
- Temperature Range: -40°C~+80°C
- Signal Output: 4-20mA/0-5V/0-10V/RS485 (Modbus-RTU)
- Humidity Range: 0%RH~100%RH
- Product Dimensions: 100mm*85mm*26mm
- Operating Temperature and Humidity of the Circuit: -20°C~+60°C, 0%RH-95%RH (Non-Condensation)
- Response Time: Humidity: ≤8s (1m/s Wind Speed)
Temperature: ≤25s (1m/s Wind Speed)
- Typical Characteristics: Wall-mount installation, suitable for HVAC (Heating, Ventilation, and Air Conditioning) control



Air duct Temperature and Humidity Transmitter

Product Characteristics

- Power Supply: 10-30VDC(P≤1.3W)
- A-Grade Accuracy: Temperature: ±0.5°C (25°C)
Humidity: ±3%RH (60%RH,25°C)
- Temperature Range: -40°C~+80°C
- Signal Output: 4-20mA/0-5V/0-10V/RS485 (Modbus-RTU)
- Humidity Range: 0%RH~100%RH
- Product Dimensions: 100mm*85mm*26mm
- Operating Temperature and Humidity of the Circuit: -40°C~+60°C, 0%RH-95%RH (Non-Condensation)
- Probe: Φ14 cm France Plateau: Φ57cm
- Typical Characteristics: Flange Installation, Suitable for Measuring Temperature and Humidity Inside the Pipeline



Wall-mounted Rectangular Shell Temperature and Humidity Transmitter

Product Characteristics

- Power Supply: 10-30VDC(P≤0.4W)
- A-Grade Accuracy: Temperature: ±0.4°C (25°C)
Humidity: ±2%RH (60%RH,25°C)
- Temperature Range: -40°C~+120°C, Default-40°C~+80°C
- Signal Output: 4-20mA/0-5V/0-10V/RS485 (Modbus-RTU)
- Humidity Range: 0%RH~100%RH
- Product Dimensions: 110mm*85mm*44mm
- Operating Temperature and Humidity of the Circuit: -40°C~+60°C, 0%RH-95%RH (Non-Condensation)
- Response Time: Humidity: ≤8s (1m/s Wind Speed)
Temperature: ≤25s (1m/s Wind Speed)
- Typical Characteristics: IP65 Protection, Suitable for Long-term use in Outdoor Rainy and Snowy Environments



Digital Display Temperature and Humidity Transmitter

Product Characteristics

- Power Supply: 10-30VDC(P≤0.4W)
- A-Grade Accuracy: Temperature: ±0.4°C (25°C)
Humidity: ±2%RH (60%RH,25°C)
- Temperature Range: -40°C~+120°C, Default-40°C~+80°C
- Signal Output: 4-20mA/0-5V/0-10V/RS485 (Modbus-RTU)
- Humidity Range: 0%RH~100%RH
- Product Dimensions: 110mm*85mm*44mm
- Operating Temperature and Humidity of the Circuit: -40°C~+60°C, 0%RH-95%RH (Non-Condensation)
- Response Time: Humidity: ≤8s (at 1m/s air Velocity)
Temperature: ≤25s (at 1m/s air Velocity)
- Typical Characteristics: IP65 Protection Rating with Digital Display, Suitable for Long-term use in Outdoor Rainy and Snowy Environments



Digital Display Duct-mounted Temperature and Humidity Transmitter

Product Characteristics

- Power Supply: 10-30VDC(P≤0.4W)
- A-Grade Accuracy: Temperature: ±0.4°C (25°C)
Humidity: ±2%RH (60%RH,25°C)
- Temperature Range: -40°C~+80°C
- Signal Output: 4-20mA/0-5V/0-10V/RS485 (Modbus-RTU)
- Humidity Range: 0%RH~100%RH
- Product Dimensions: 110mm*85mm*44mm
Customizable Probe Length
- Operating Temperature and Humidity of the Circuit: -20°C~+60°C, 0%RH-95%RH (Non-Condensation)
- Response Time: Humidity: ≤8s (1m/s Wind Speed)
Temperature: ≤25s (1m/s Wind Speed)
- Typical Characteristics: Adopting a Particle Sintered Probe Sheath, the Probe is Directly Connected to the Housing, Resulting in an Elegant and Aesthetically Pleasing Appearance



Long Duct-mounted Temperature and Humidity Transmitter

Product Characteristics

- Power Supply: 10-30VDC(P≤0.048W)
- A-Grade Accuracy: Temperature: ±0.4°C (25°C)
Humidity: ±2%RH (60%RH,25°C)
- Temperature Range: -40°C~+80°C
- Signal Output: RS485 (Modbus-RTU)
- Humidity Range: 0%RH~100%RH
- Product Dimensions: Length: 23.85cm Diameter: 1.4cm
Flange: Φ5.75cm
- Operating Temperature and Humidity of the Circuit: -40°C~+60°C, 0%RH-95%RH (Non-Condensation)
- Response Time: Humidity: ≤8s (1m/s Wind Speed)
Temperature: ≤25s (1m/s Wind Speed)
- Typical Characteristics: Utilizing EMC Interference-resistant Components and industrial-grade Processing Chips, it has a Wide Range of Applications



86 LCD Shell Temperature and Humidity Transmitter

Product Characteristics

- Power Supply: 10-30VDC(P≤0.4W)
- A-Grade Accuracy: Temperature: ±0.4°C (25°C)
Humidity: ±2%RH (60%RH,25°C)
- Temperature Range: -40°C~+80°C
- Signal Output: 4-20mA/0-5V/0-10V/RS485 (Modbus-RTU)
- Humidity Range: 0%RH~100%RH
- Product Dimensions: 86mm*86mm*26mm
- Operating Temperature and Humidity of the Circuit: -20°C~+60°C, 0%RH-95%RH (Non-Condensation)
- Response Time: Humidity: ≤8s (1m/s Wind Speed)
Temperature: ≤25s (1m/s Wind Speed)
- Typical Characteristics: Standard 86 Shell Wall-mount Installation With Liquid Product Display



Probe-type Temperature and Humidity Transmitter

Product Characteristics

- Power Supply: 5-28VDC(P≤0.05W)
- A-Grade Accuracy: Temperature: ±0.5°C (25°C)
Humidity: ±4%RH (60%RH,25°C)
- Signal Output: RS485 (Modbus-RTU)
- Operating Temperature and Humidity of the Circuit: -20°C~+60°C, 0%RH-95%RH (Non-Condensation)
- Refresh Interval for Temperature and Humidity: 2S
- Temperature Display Resolution: 0.1°C
- Humidity Display Resolution: 0.1%RH
- Response Time: Humidity: ≤8s (1m/s Wind Speed)
Temperature: ≤25s (1m/s Wind Speed)
- Long-term Stability: Temperature ≤0.1°C/y, Humidity ≤1%RH/y



Concrete Curing Dedicated Temperature and Humidity Transmitter

Product Characteristics

- Power Supply: 10-30VDC(P≤1.5W)
- A-Grade Accuracy: Temperature: ±0.4°C (25°C)
Humidity: ±2%RH (60%RH,25°C)
- Long-term Stability: Temperature: ≤0.1°C/yr
Humidity: ≤1%RH/yr
- Signal Output: 4-20mA/0-5V/0-10V/RS485 (Modbus-RTU)
- Humidity Range: 0%RH~100%RH
- Product Dimensions: 90mm*82mm*48.8mm
- Operating Temperature and Humidity of the Circuit: -40°C~+60°C, 0%RH-100%RH
- Response Time: Humidity: ≤ 4s (at 1m/s air velocity) Temperature: ≤ 15s (at 1m/s air velocity)



Flat Card Rail-mounted 485 Type Temperature and Humidity Transmitter

Product Characteristics

- Power Supply: 10-30VDC(P≤0.3W)
- A-Grade Accuracy: Temperature: ±0.4°C (25°C)
Humidity: ±2%RH (60%RH,25°C)
- Temperature Range: -40°C~+60°C
- Signal Output: RS485 (Modbus-RTU)
- Humidity Range: 0%RH~95%RH
- Product Dimensions: 65mm*46mm*28.5mm
- Operating Temperature and Humidity of the Circuit: -40°C~+60°C, 0%RH-95%RH (Non-Condensation)
- Response Time: Humidity: ≤8s (1m/s Wind Speed)
Temperature: ≤25s (1m/s Wind Speed)
- Typical Characteristics: Standard 35mm DIN rail inStallation Suitable for Electrical Cabinets



Temperature and Humidity Display Board

Product Characteristics

- Power Supply: 10-30VDC(P≤0.64W)
- A-Grade Accuracy: Temperature: ±0.4°C (25°C)
Humidity: ±2%RH (60%RH,25°C)
- Temperature Range: -40°C~+120°C, Default -40°C~+80°C
- Signal Output: 4-20mA/0-5V/0-10V/WIFI/RS485 (Modbus-RTU)
- Humidity Range: 0%RH~100%RH
- Product Dimensions: 275mm*273mm
- Operating Temperature and Humidity of the Circuit: -20°C~+60°C, 0%RH-95%RH (Non-Condensation)
- Response Time: Humidity: ≤8s (1m/s Wind Speed)
Temperature: ≤25s (1m/s Wind Speed)
- Typical Characteristics: Utilizing Large-sized High-brightness Digital Displays, it can Still Provide Clear Visibility Even in Bright Lighting Conditions



Explosion-proof Temperature and Humidity Transmitter

Product Characteristics

- Power Supply: 10-30VDC(P≤0.35W)
- A-Grade Accuracy: Temperature: ±0.5°C (25°C)
Humidity: ±3%RH (60%RH,25°C)
- Signal Output: RS485 (Modbus-RTU)
- Operating Temperature and Humidity of the Circuit: -20°C~+60°C
0%RH-100%RH
- Temperature Range: -20°C~+60°C
- Humidity Range: 0%RH-100%RH
- Product Dimensions: 197mm*154mm*94mm
- Long-term Stability: Temperature: ≤0.1°C/y, Humidity: ≤1%RH/y
- Typical Characteristics: It Adopts Remote Infrared Remote Control Technology, Allowing Parameter Modifications Without the Need for Disassembly



Infrared Temperature Sensor

Product Characteristics

- Power Supply: 24VDC(P≤0.12W)
- Measurement Accuracy: Measurement Accuracy: ±1% or ±1°C
Whichever is Greater (at 300°C)
- Operating Temperature and Humidity of the Circuit: Temperature: 0~60°C
Relative Humidity: 10-95% (Non-condensing)
- Product Dimensions: Product Dimensions: 113mm×φ18mm
(Length* Diameter)
- Spectral Range: Spectral Range: 8~14 μm
Optical Resolution: 20:1
- Response Time: Response Time: 150 ms (95%)
Load Capacity: ≤600Ω
- Output Signal: 4~20mA/RS485
- Measurement Temperature Range: Temperature Measurement Range: 0-1200°C/0-600°C (Default), Multiple Ranges
Available for Selection



Network Type Temperature and Humidity Transmitter

Product Characteristics

- Power Supply: 10-30VDC
- A-Grade Accuracy: Temperature: $\pm 0.4^{\circ}\text{C}$ (25°C)
Humidity: $\pm 2\%\text{RH}$ (60%RH, 25°C)
- Signal Output: RS485 (Modbus-RTU)
- Operating Temperature and Humidity of the Circuit: $-20^{\circ}\text{C}\sim+60^{\circ}\text{C}$, 0%RH-95%RH (Non-condensing)
- Temperature Range: $-40^{\circ}\text{C}\sim+120^{\circ}\text{C}$, Default $-40^{\circ}\text{C}\sim+80^{\circ}\text{C}$
- Humidity Range: 0%RH~100%RH
- Product Dimensions: 122mm*102mm*36mm
- Response Time: Humidity: $\leq 8\text{s}$ (at 1m/s air velocity)
Temperature: $\leq 25\text{s}$ (at 1m/s air velocity)
- Typical Characteristics: Built-in Alarm Function, Capable of Setting Upper and Lower Limits for Alarms, as Well as Hysteresis Values



Ethernet Type Temperature and Humidity Transmitter



4G Type Temperature and Humidity Transmitter



WiFi Type Temperature and Humidity Transmitter

4G Enclosure Type Temperature and Humidity Transmitter

Product Characteristics

- Power Supply: 10-30VDC
- Accuracy: Temperature: $\pm 0.4^{\circ}\text{C}$ (25°C)
Humidity: $\pm 2\%\text{RH}$ (60%RH, 25°C)
- Signal Output: 4G
- Operating Temperature and Humidity of the Circuit: $-20^{\circ}\text{C}\sim+60^{\circ}\text{C}$, 0%RH-95%RH (Non-condensing)
- Probe Operating Temperature: $-40^{\circ}\text{C}\sim+120^{\circ}\text{C}$, Default $-40^{\circ}\text{C}\sim+80^{\circ}\text{C}$
- Probe Operating Humidity: 0%RH~100%RH
- Product Dimensions: 110mm*85mm*44mm
- Typical Characteristics: Wall-mounted Installation, 4G Transmission Mode, no Need for On-site Wiring no Distance Limitations



NB Enclosure Type Temperature and Humidity Transmitter

Product Characteristics

- Power Supply: Powered by lithium batteries
- Accuracy: Temperature: $\pm 0.4^{\circ}\text{C}$ (25°C)
Humidity: $\pm 2\%\text{RH}$ (60%RH, 25°C)
- Signal Output: NB-IoT
- Operating Temperature and Humidity of the Circuit: $-40^{\circ}\text{C}\sim+60^{\circ}\text{C}$, 0%RH-95%RH (Non-condensing)
- Probe Operating Temperature: $-40^{\circ}\text{C}\sim+120^{\circ}\text{C}$, Default $-40^{\circ}\text{C}\sim+80^{\circ}\text{C}$
- Probe Operating Humidity: 0%RH~100%RH
- Product Dimensions: 110mm*85mm*44mm
- Long-term Stability: Temperature: $\leq 0.1^{\circ}\text{C}/\text{year}$
Humidity: $\leq 1\%\text{RH}/\text{year}$
- Typical Characteristics: Easy Installation, no Wiring Required Utilizing NB-IoT Wireless Communication for Full Network Coverage



WiFi Temperature and Humidity Data Logger C4

Product Characteristics

- Power Supply: Powered by DC 5V or Internal Battery
- Accuracy: Temperature: $\pm 0.5^{\circ}\text{C}$ (25°C)
Humidity: $\pm 3\%\text{RH}$ ($60\%\text{RH}, 25^{\circ}\text{C}$)
- Signal Output: WIFI
- Temperature Range: Built-in Probe Type: -20 to $+60^{\circ}\text{C}$
External Probe Type: -40 to $+80^{\circ}\text{C}$
- Humidity Range: $0\%\text{RH}\sim 100\%\text{RH}$
- Product Dimensions: $87\text{mm}\times 53\text{mm}\times 27\text{mm}$
- Charging Duration: Fully Charged in 6 hours
- Typical Characteristics: Utilizing AirKiss WiFi Networking Technology
Easily Connect With a Single Button Press
- Operating Duration: Once Fully Charged, the Device can Operate Continuously for 14 days. When Connected to an External Power Source, it can Work Continuously for an Extended Period



Low-power 4G Temperature and Humidity Transmitter (C3 Enclosure)

Product Characteristics

- Power Supply: Powered by DC 5V or Internal Battery
- Signal Output: 4G
- Temperature Range: Built-in Probe: -20°C to $+60^{\circ}\text{C}$
External Probe: -40°C to $+80^{\circ}\text{C}$
- Humidity range: Built-in Probe: $0\%\text{RH}$ to $95\%\text{RH}$
External Probe: $0\%\text{RH}$ to $100\%\text{RH}$
- Transmitter Electrical Operating Temperature and Humidity: -20°C to $+60^{\circ}\text{C}$, $0\%\text{RH}$ to $95\%\text{RH}$ (Non-condensing)
- Product Dimensions: $120\text{mm}\times 113\text{mm}\times 33\text{mm}$
- Measurement accuracy: Temperature: Standard Accuracy: $\pm 0.5^{\circ}\text{C}$ (at 25°C)
High Accuracy: $\pm 0.2^{\circ}\text{C}$ (at 25°C)
Humidity: Standard Accuracy: $\pm 3\%\text{RH}$ (at $60\%\text{RH}, 25^{\circ}\text{C}$)
High Accuracy: $\pm 2\%\text{RH}$ (at $60\%\text{RH}, 25^{\circ}\text{C}$)



WiFi Temperature and Humidity Data Logger C3

Product Characteristics

- Power Supply: Powered by DC 5V or Internal Battery
- Measurement Accuracy: Humidity: Default Accuracy: $\pm 3\%\text{RH}$
Standard Accuracy: $\pm 2\%\text{RH}$
High Accuracy: $\pm 1.5\%\text{RH}$ (at $60\%\text{RH}, 25^{\circ}\text{C}$)
- Temperature: Temperature: Default Accuracy: $\pm 0.3^{\circ}\text{C}$
Standard Accuracy: $\pm 0.2^{\circ}\text{C}$
High Accuracy: $\pm 0.1^{\circ}\text{C}$ (at 25°C)
- Temperature Range: Built-in Probe: -20°C to $+60^{\circ}\text{C}$
External Probe: -40°C to $+80^{\circ}\text{C}$
- Humidity Range: Built-in Probe: $0\%\text{RH}$ to $95\%\text{RH}$
External Probe: $0\%\text{RH}$ to $100\%\text{RH}$
- Product Dimensions: $120\text{mm}\times 113\text{mm}\times 33\text{mm}$
- Typical Features: Adopting AirKiss WiFi Connection Technology Easily Connect With Just One Click



Low-power 4G Temperature and Humidity Transmitter (C5 Enclosure)

Product Characteristics

- Power Supply: Powered by DC 10-30V, DC 5V, or Internal Battery
- Signal Output: 4G
- Temperature Range: Built-in Probe: -20°C to $+60^{\circ}\text{C}$
External Probe: -40°C to $+80^{\circ}\text{C}$
- Humidity Range: Built-in Probe: $0\%\text{RH}$ to $95\%\text{RH}$
External Probe: $0\%\text{RH}$ to $100\%\text{RH}$
- Transmitter Electrical Operating Temperature and Humidity: -20°C to $+60^{\circ}\text{C}$, $0\%\text{RH}$ to $95\%\text{RH}$ (Non-condensing)
- Product Dimensions: $120\text{mm}\times 113\text{mm}\times 33\text{mm}$
- Measurement Accuracy: Temperature: Standard accuracy: $\pm 0.5^{\circ}\text{C}$ at 25°C
High accuracy: $\pm 0.2^{\circ}\text{C}$ at 25°C
Humidity: Standard accuracy: $\pm 3\%\text{RH}$ at $60\%\text{RH}, 25^{\circ}\text{C}$
High accuracy: $\pm 2\%\text{RH}$ at $60\%\text{RH}, 25^{\circ}\text{C}$



WiFi Multi-probe Temperature and Humidity Data Logger

Product Characteristics

• Power Supply:	10-30V DC
• A-Grade Accuracy	Temperature: $\pm 0.4^{\circ}\text{C}$ (25°C) Humidity: $\pm 2\%\text{RH}$ (60%RH, 25°C)
• Signal Output:	WIFI
• Temperature Range:	-40°C~+120°C, Default -40°C~+80°C
• Humidity Range:	0%RH~100%RH
• Product Dimensions:	122mm*102mm*36mm
• Operating Temperature and Humidity of the Circuit:	-20°C to +60°C, 0%RH to 95%RH (Non-condensing)
• Response Time:	Humidity: $\leq 8\text{s}$ (at 1m/s air velocity) Temperature: $\leq 25\text{s}$ (at 1m/s air velocity)
• Typical Characteristics:	Up to four Channels of Temperature and Humidity Monitoring, With Probe Cables Extendable up to 30 Meters



4G Multi-probe Temperature and Humidity Data Logger

Product Characteristics

• Power Supply:	10-30V DC
• A-Grade Accuracy	Temperature: $\pm 0.4^{\circ}\text{C}$ (25°C) Humidity: $\pm 2\%\text{RH}$ (60%RH, 25°C)
• Signal Output:	4G
• Temperature Range:	-40°C~+120°C, Default -40°C~+80°C
• Humidity Range:	0%RH~100%RH
• Product Dimensions:	122mm*102mm*36mm
• Operating Temperature and Humidity of the Circuit:	-20°C to +60°C, 0%RH to 95%RH (Non-condensing)
• Response Time:	Humidity: $\leq 8\text{s}$ (at 1m/s air velocity) Temperature: $\leq 25\text{s}$ (at 1m/s air velocity)
• Typical Characteristics:	Up to four Channels of Temperature and Humidity Monitoring, With Probe Cables Extendable up to 30 Meters



Ethernet Multi-probe Temperature and Humidity Data Logger

Product Characteristics

• Power Supply:	10-30V DC
• A-Grade Accuracy	Temperature: $\pm 0.4^{\circ}\text{C}$ (25°C) Humidity: $\pm 2\%\text{RH}$ (60%RH, 25°C)
• Signal Output:	Ethernet
• Temperature Range:	-40°C~+120°C, Default -40°C~+80°C
• Humidity Range:	0%RH~100%RH
• Product Dimensions:	122mm*102mm*36mm
• Operating Temperature and Humidity of the Circuit:	-20°C to +60°C, 0%RH to 95%RH (Non-condensing)
• Response Time:	Humidity: $\leq 8\text{s}$ (at 1m/s air velocity) Temperature: $\leq 25\text{s}$ (at 1m/s air velocity)
• Typical Characteristics:	Free Cloud Platform for Real-time Viewing on Multiple Devices



Ultra-wide Temperature Transmitter

Product Characteristics

• DC Power Supply:	10-30V DC
• Maximum Power Consumption:	0.4W
• Accuracy:	$\pm 0.5^{\circ}\text{C}$ (25°C)
• Probe Cable Length:	Probe cable length: 3m (Maximum Length up to 50 Meters)
• Output Signal:	4G/WiFi/Ethernet/RS485 (Modbus-RTU Protocol)
• Temperature Display Resolution:	0.1°C
• Probe Operating Temperature:	Ultra-low Temperature Probe: -100°C to +200°C Ultra-high Temperature Probe: 0°C to +300°C Ultra-wide Low-temperature Probe: -200°C to +200°C
• Transmitter Electrical Operating Temperature and Humidity:	-20°C~+60°C, 0%RH~95%RH (Non-condensing)

