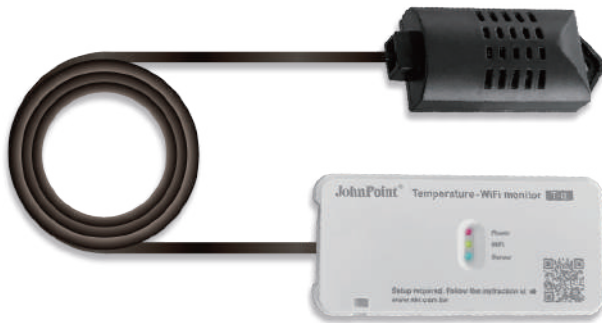# Wireless Temperature & Humidity Monitoring System

Tmperature Monitor HT-α

HT-α is an innovative system for real-time monitoring and alarming of temperature and humidity. It offers a practical solution specifically designed to meet strict regulatory compliance requirements for hospitals, life sciences, and other industries where environmental monitoring is crucial.

WiFi connection, plug-and-play WiFi

Features ▶▶

- All-in-one temperature and humidity sensor.
- Mobile app for 24/7 real-time data monitoring and alert if temperatures or humidity go outside their optimal range.
- Automated historical and alarm reports are saved.
- WiFi connection.
- Easy installation. Plug-and-play, no extra wiring.
- Cost- effective.

Application ▶▶

- Cleanroom, Storage facility, Greenhouse monitoring.
- Hospital & clinics : Vaccine, blood serum storage equipment.
- Biotech and pharmaceutical industry : Laboratory storage facility, cold-chain systems.
- Food & Beverage Manufacturing, Distribution.

Ideal for indoor temperature and humidity monitoring.

Advantage ▶▶

Convenient
Remote monitoring

Management
Reduce manpower

Immediate
24/7 real-time alert

Reliable
Temperature & humidity sensor

Risk
Avoid financial losses

Simple
Ready to use in existing freezer and refrigerator

- Sensor should be installed in a place where the temperature and humidity are relatively stable and can best represent the measure ambient temperature and humidity.
- ※ Note : In a stable temperature and humidity environment, it takes 120 seconds for the sensor to reach actual figure.
- Do NOT install HT- α in an environment where :
  1. temperature and humidity change dramatically,
  2. air circulation is violently or not circular at all,
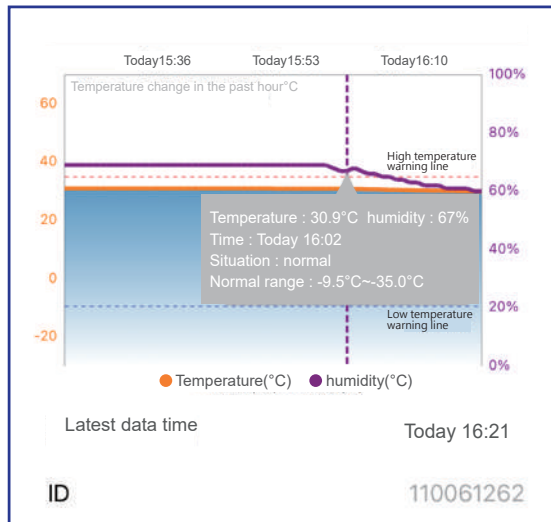 3. contains salt spray or corrosive gas.

When temperature/humidity values are outside of normal range or HT-α's connection is broken/unstable, mobile app will alert the situation immediately.

Cloud-based stats and charts ▶▶

Time indication

Today15:36   Today15:53   Today16:10

Temperature change in the past hour°C

High temperature warning line

Temperature : 30.9°C humidity : 67%
Time : Today 16:02
Situation : normal
Normal range : -9.5°C~-35.0°C

Low temperature warning line

Temperature and humidity

● Temperature(°C)   ● humidity(°C)

Latest data time

Today 16:21

ID   110061262

Specification ▶▶

Model	Temperature monitor WiFi Gateway (HT-α)
Signal indication	• Red LED (POWER LED) : Stays on when power is on (MCU is operating normally). • Green LED (WiFi LED) : Stays on when connected to WiFi AP, otherwise blinks. • Blue LED (TCP LED) : Stays on when connected to the server, otherwise blinks.
Working power	micro USB 5V (< 2W)
LED indicator	R.G.B x 1 each
Receiving distance (conservative value)	25m
Transmission method	WiFi wireless
External dimensions	H75 / W35 / D11 (mm)
Weight	45g
Waterproof	None (Not for outdoor use)
Other accessories	85～220vAC adpter / USB 5v 1A x 1 micro USB cable x 1
Occasion / Purpose	Can be intalled in freezer, refrigerator or other storage equipment.
Installing method	Hook and loop fastener for easy fix and remove.
Temperature detecting range	Sensor spec. • Operating Temperature range : –40°C to 85°C • Relative humidity range : 0% to 100% • Humidity accuracy : ±2% (typical), ±3% (maximum) • Temperature accuracy : ±0.2°C (typical), ±0.4°C (maximum) • size：60×27×16 (mm)．cable length 1.5M (Optional : 3, 5M) • size：Ø10x70 (mm)．cable length 1.5M (Optional : 3, 5M)

• WiFi access point is required on site for Internet communication.
• Customized application system are avaliable. Please contact us for further information.

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