

IP Temperature Humidity Sensor

V1.1

OVERVIEW

The IP TH Sensor is a high-performance solution for real-time temperature and humidity tracking. Designed for server rooms, warehouses, greenhouses, and offices, it offers high accuracy in a simple, plug-and-play package. It plugs into any standard USB power supply. With its internal web server, users can access live readings and configure settings from any browser. Seamlessly integrates with Zabbix, PRTG, Home Assistant, and IFTTT. Supports DHCP/Static IP, provides Min-Max readings, and Fahrenheit/Celsius selection. Includes a 1m USB power cable and 1m integrated probe cable.



FEATURES

- Complete Solution: no soldering or additional parts required, except for a power supply and network cable.
- High-Precision Sensor: utilizes the SHT30 digital sensor for accurate temperature and humidity readings.
- Wide Temperature Range: -40°C to $+125^{\circ}\text{C}$.
- Wide Humidity Range: 0% to 100% RH.
- Temperature & Humidity Min-Max readings.
- Fahrenheit / Celsius selectable.
- DHCP or Static IP (DHCP by default).
- Internal Web Server: access real-time data and configure settings through a password-protected web interface.
- Standalone & Secure: operates entirely on your local network, no cloud dependencies.
- Integration Compatibility: seamlessly integrates with Zabbix, PRTG, Home Assistant, IFTTT, and other platforms.
- Powered by USB; PoE splitter compatible.

DATA OUTPUT OPTIONS

- **Web Dashboard:** Mobile-optimized interface accessible from any browser. View live readings and Min/Max history.
- **JSON API:** Structured data endpoint (/prtg) for custom applications, scripts, and PRTG integration.
- **HTTP Endpoints:** Retrieve plain-text values via /t (temperature) or /h (humidity) for lightweight integrations.
- **Remote Push:** Automated HTTP GET transmission to your server or IFTTT, triggered by intervals or threshold alerts.

APPLICATIONS

- Environmental monitoring (server rooms, greenhouses, warehouses, offices)
- HVAC (Heating, Ventilation, and Air Conditioning) system monitoring
- Industrial process monitoring
- Data acquisition and logging

SPECIFICATIONS

Sensor	SHT30 (high-precision digital, 1m integrated cable)
Temperature Range	-40°C to +125°C (-40°F to +257°F)
Humidity Range	0% to 100% RH
Accuracy	±0.3°C (0°C – 65°C) / ±3% RH (10% – 90% RH)
Probe Cable Length	Approximately 1m (integrated, non-detachable)
Device Enclosure	Plastic (not waterproof)
Connectivity	10Base-T Ethernet, fully compatible with 10/100/1000Base-T networks
Network Protocols	TCP/IP
Network Setup	DHCP (default) or Static IP
Display Units	Celsius / Fahrenheit toggle
Security	Password-protected configuration interface
Power Supply	USB (5V, <200 mA); PoE splitter compatible
Included Cables	1m USB power cable, 1m sensor probe
SKU	IPTH1

PACKAGE CONTENTS

- 1× IP TH Sensor with integrated 1m probe
- 1× USB Power Cable (1m)