# DATASHEET

### **IP Thermometer Basic**

V4.0

#### Overview

IP Thermometer Basic—an easy-to-use solution for precise temperature monitoring. No soldering required, it plugs into a standard USB power supply. With its internal web server, users can access real-time temperature data and configure settings from any browser. Seamlessly integrates with IFTTT, ZABBIX, PRTG, or custom software. Supports DHCP/Static IP, provides Min-Max readings, and offers Fahrenheit/Celsius selection. Includes a 1m USB power cable and 1m non-detachable probe cable.

#### Features

- Complete Solution: no soldering or additional parts required, except for the power supply, and network cable.
- Reliable Sensor: utilizes the DS18B20 digital sensor for accurate temperature readings.
- Wide Temperature Range: covers temperatures from -55°C to +125°C with a resolution of 0.1°C.
- · Temperature Min-Max readings.
- · Fahrenheit / Celsius selectable.
- · DHCP or Static IP (DHCP by default).
- Internal Web Server: access real-time temperature data and configure settings through a password-protected web interface.
- Integration Compatibility: seamlessly integrates with IFTTT, PRTG, ZABBIX, and other software platforms.
- Powered by USB, it's easy to get a power supply.

## **Temperature Output Options**

- · Web Page: view data via the optimized web interface.
- JSON: retrieve temperature readings in JSON format for easy parsing and utilization.
- HTTP Get: obtain temperature data via a simple HTTP GET request for effortless integration.
- Send temperature data to a remote server via HTTP GET requests, with support for customizable intervals and thresholds.
- IFTTT Support: empower automation with IFTTT webhooks, enabling actions based on predetermined intervals or threshold triggers.

### **Applications**

- Environmental monitoring (e.g., server rooms, greenhouses, storage facilities)
- HVAC (Heating, Ventilation, and Air Conditioning) system monitoring
- · Industrial process monitoring
- · Data acquisition and logging

### **Specifications**

• Probe sensor: DS18B20

Temperature Range: -55°C to +125°C

Resolution: 0.1°C

Accuracy: ±0.5°C (-10°C to +85°C)

- Probe package: high quality stainless steel pipe anti-rust waterproof
- Probe Cable Length: approximately 1m (non-detachable)
- The network device package is made of plastic, not waterproof
- · 10Base-T Ethernet Controller
- Fully Compatible with 10/100/1000Base-T Networks
- · Network Protocols: TCP/IP
- Power Supply: USB
- · Operating voltage: 5V
- Operating current: <200mA</li>
- The network device package dimensions: 71 mm \* 26 mm
  \* 26mm



<sup>\*</sup> IP Thermometer Basic is fully compatible with IFTTT, but please note that we cannot guarantee or take responsibility if the service provider decides to change the API or discontinue the service, making the IP Thermometer Basic no longer compatible with IFTTT. As far as we know, IFTTT has no such plans.