Bluetooth Temperature and Humidity Data Logger

BlueTag TH30 Series

BlueTag TH30 is a multi–use temperature and humidity data logger based on Bluetooth wireless communication technology, convenient for users to read and get the report by APP. The device can be optionally set with one or two external probes. It is ideal in freezer, medicine cabinet, wine cellar, warehouse, greenhouse, laboratory, supermarket, incubator, refrigerator car and other scenarios where accessibility and mobility are crucial.

FC CE RoHS IATA HACCP DO+160 EN12830 GMP

Product Features

68mm

83mm

▶ 　　　　　　　　 ＊ ▥
EXT1　25.8 ℃
MAX 30.7℃   MIN 20.6℃
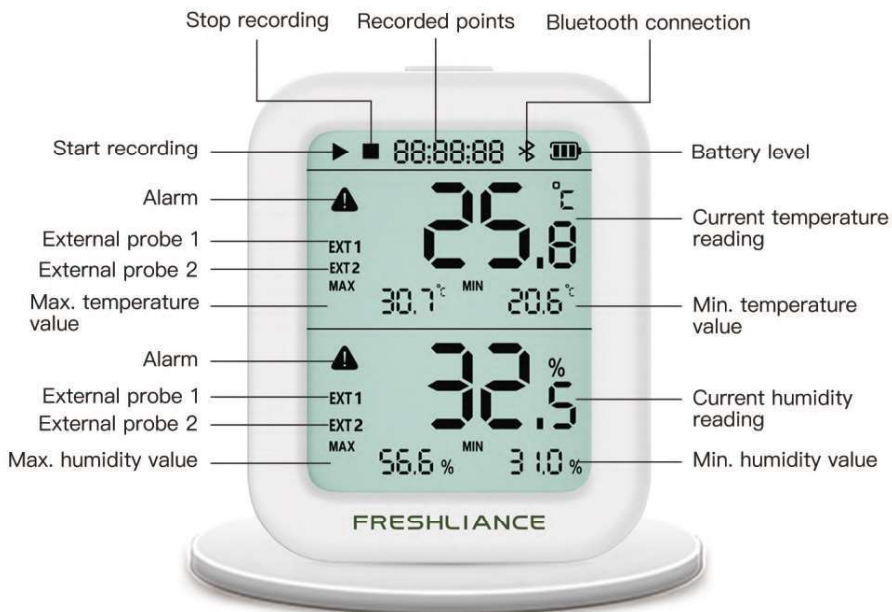
EXT2　32.5 ℃
MAX 56.6   MIN 31.0℃

FRESHLIANCE

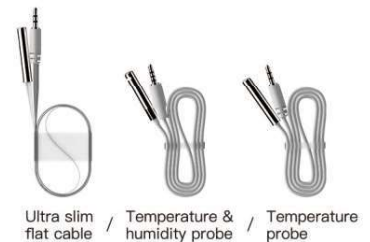✏ Two external pluggable temperature/humidity probes optional

≫ Data export via Bluetooth APP (signature optional)

- Wireless communication via Bluetooth technology, no need to open the package, container or vehicle

- Remote configuration and control via mobile app

- Remote data viewing and synchronization among multiple users

- Smart APP alarm, up to 6 alarm points

- Data filtration by date, normal/abnormal data

- Review and analyse your data with powerful graphing functionality, with the automatically analyzed results of max., min., avg. and MKT value

- Remote data export in PDF/CSV

- Free data cloud storage for 2 years

- LCD screen for intuitive display of current reading and other trip statistics

- Up to 3 monitoring probes, automatic recognition of external probes, plug–and–play

- ±0.5℃ at full scale

Screen Display

Stop recording　　Recorded points　　Bluetooth connection

Start recording

Alarm

External probe 1
External probe 2

Max. temperature value

Alarm

External probe 1
External probe 2

Max. humidity value

▶■ 88:88:88 ＊ ▥

25.8 ℃
EXT1
EXT2
MAX 30.7℃   MIN 20.6℃

32.5 %
EXT1
EXT2
MAX 56.6%   MIN 31.0%

FRESHLIANCE

Battery level

Current temperature reading

Min. temperature value

Current humidity reading

Min. humidity value

Multiple probe types optional

Ultra slim flat cable / Temperature & humidity probe / Temperature probe

25.8
32.5

FRESHLIANCE

Sharp sensor head / Blunt sensor head

Technical Data

	BlueTag T10	BlueTag TH20	BlueTag TH10B	BlueTag TH10R	BlueTag TH30B	BlueTag TH30R	BlueTag TH30R-ETU
Temperature Accuracy	±0.5℃ F.S.						
Temperature Resolution	0.1℃						
Report Format	PDF/CSV						
Logging Interval	1Min~99Min, user configurable						
Start Delay	0Min~72H, user configurable						
Alarms	High and low alarms, max. 6 alarm points for each sensor/probe						
Connection	Bluetooth 5.2						
Compatible O/S	Android, IOS						
Certificate	CE, FCC, EN12830, GMP, IATA, RoHS, HACCP, RTCA/DO–160G						
Humidity Range	N/A	0–100%RH					0–100%RH (Built–in sensor only)
Humidity Accuracy	N/A	±3%RH (25℃, 20%~90%RH),±5%RH (other)					±3.0%RH (Built–in sensor only)
Humidity Resolution	N/A		±0.1%RH				
Memory Capacity	Max. 65,000 readings		20,000 readings per probe				
Multi Channel	One sensor		Max. 3 sensors	One sensor	Max. 3 sensors		
Device Dimension	48mm*31mm *5mm	62mm*47mm *13mm	83mm*68mm*20.5mm				
External Probe Type	N/A		Temp. probe Temp.& humidity probe	N/A	Temp. probe Temp.& humidity probe	Temp. probe	
Temperature Range	–30℃~+70℃	–30℃~+60℃	–30℃~+70℃ (Built–in sensor only)	–30℃~+70℃ (Internal/ External probe)	–30℃~+70℃ (Built–in sensor only)	–30℃~+70℃ (Internal/ External probe)	–30℃~+70℃ (Built–in sensor) –60℃~+200℃ –80℃~+200℃ –90℃~+200℃ –196℃~+400℃ (External probe)
LCD Screen	N/A	47mm*41mm *2mm	N/A		66mm*57mm*2mm		
Display	LED	LCD	LED		LCD		
Weight	7.8g	36.5g	75g	80g	85g	90g	
Battery	3.0 CR2032 lithium battery, not replaceable	3.0 CR2032 lithium battery, replaceable	2×AAA batteries, replaceable	3.7V 1000mAh lithium battery, rechargeable	2×AAA batteries, replaceable	3.7V 1000mAh lithium battery, rechargeable	
Installation	3M Adhesive tape	3M adhesive tape, magnetic suction	Hanging, folding stand	Magnetic suction, hanging, folding stand	Hanging, folding stand	Magnetic suction, hanging, folding stand	

Product Features

1 High Flexibility, Multi-channel Monitoring

- Built-in Temperature and Humidity Probe
- Two External Pluggable Probes Optional
- Automatic Probe Recognition, Plug-and-Play
- 0.3mm Thick Flexible Flat Cable, Flexibly Used in Various Occasions
- Smart Alarm Prompt on Mobile APP and Device Screen
- Up to 3 monitoring channels are available for temperature/humidity monitoring, to better meet the diverse needs of users

2 Power Supply: AAA Battery Powered / Rechargeable Battery Powered

BlueTag TH30B
AAA Battery Powered

(1.5V AAA Battery ×2, Replaceable)

⏱ Up to 240 Working Days

BlueTag TH30R
Rechargeable Battery Powered

(Built-in Rechargeable Lithium Battery 3.7V 1000mAh)
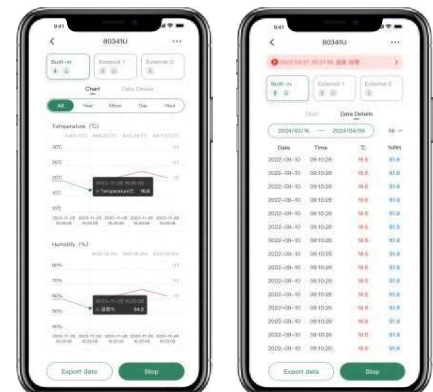
⏱ Up to 300 Working Days

3 Memory Capacity: Max. 60,000 Readings

20,000 Readings per sensor/probe
Max. 60,000 Readings in Total

Recorded Points

4 Data Storage, Filtration and Export

- ☑ Separate Data Monitoring, Storage and Export for Each Probe
- ☑ Data Review and Analysis with Powerful Graphing Functionality, with the automatically analyzed results of Max./Min./Avg./MKT Value
- ☑ Temporary Report
- ☑ Data Filtration by Date
- ☑ Data Filtration by Normal/Abnormal Data
- ☑ Free Data Cloud Storage for 2 Years
- ☑ Data Export in PDF/CSV, which can be shared or forwarded by email. A signature is available for the PDF report generated after stopping the device
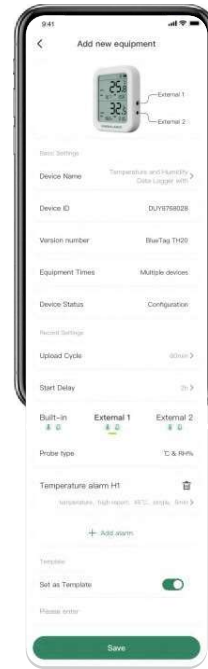
5 Parameter Configuration

Free Tkeeper APP (Android, IOS): Remotely Program and Control the Logger

APP Language:
English/Chinese

Temperature Unit:
℃/℉

Parameters Configurable:
Logging Interval, Start Delay,
Temperature and Humidity Alarm,
Separately Configured for Each Probe

- Device Name Modifiable
- Parameter Template Saved for Future Application

6 Multi-user Collaboration

Within Bluetooth Range (10m, Barrier-free)

Add One Device to Multiple Mobile Phones, for Instant Data Viewing and Synchronization

Add Multiple Devices to One Mobile Phone, for Efficient Device and Data Management
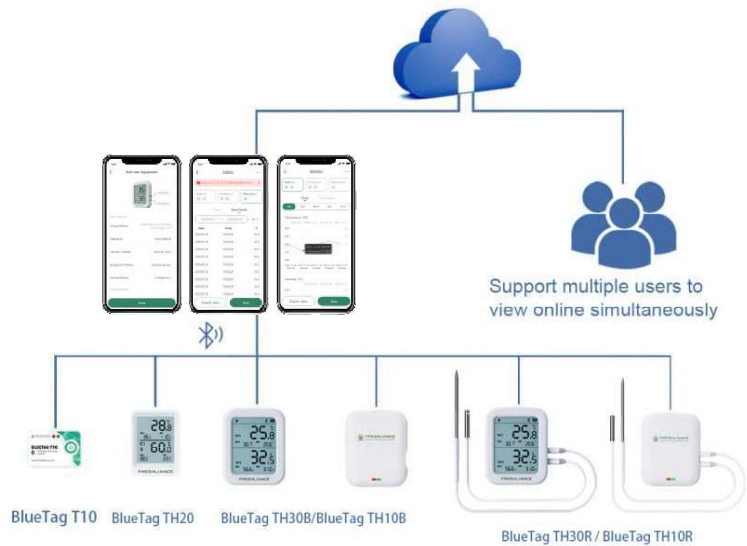

7 Remote Data Synchronization

When the device arrives at the destination together with the goods, the consignee can use the collaborative APP to remotely view all trip data and export the data in PDF/CSV format, which can be then emailed. In this process, all the data will be automatically synchronized to the consignor. And a signature is available for the PDF report after stopping the device.

Support multiple users to view online simultaneously

BlueTag T10   BlueTag TH20   BlueTag TH30B/BlueTag TH10B   BlueTag TH30R / BlueTag TH10R

A signature can be added to the PDF report to meet the supervision requirements.

Device ID 240180155U
File Created Time 2024/03/22
Note: All times shown are base

Signature Information			
NO.	Personal Signature	Account Information	Signature Time
1	*Phillipama...*	...@gmail.com	2024/03/22 10:11:20

How to Use

step 01	step 02	step 03	step 04	step 05	step 06
Download the APP Tkeeper	Enable Bluetooth on the mobile phone	Join in (or skip) and Log in to add the device	Power on the device	Tap + to add the device	Configure and use the device

Installation

Folding stand

Hanging

BlueTag TH1OR/30R
Bluetooth Temperature and Humidity
Data Logger

Magnetic suction (Optional)

Applications

The device is widely applied in medicines and vaccines, fruits and vegetables, cold chain transportation, cold storage, laboratory, smart home, farming, breeding, greenhouse and other fields that need temperature and humidity monitoring.

Freezer	Medicine Cabinet	Wine Cellar	Warehouse	Greenhouse	Baby Room	Hospital

Mechanical Room	Museum	Cigar	Refrigerator Car	Precision Instrument	Laboratory	Supermarket