

DESCRIPTION:

YBT series recorder is a temperature and humidity measurement and recording instrument that uses Bluetooth communication to obtain real-time data and record data. The instrument adopts low-power Bluetooth 4.2 communication protocol, which has the advantages of low power consumption and long communication distance, and is suitable for real-time monitoring in closed places.

YBT series recorder is standard equipped with mobile APP software, which can connect instrument configuration parameters, view real-time data, and analyze record data (data sheet, data curve, file export, etc.). When the instrument is configured as a broadcast mode with the software, the instrument broadcasts the collected data in real time, which is suitable for users to monitor multiple instruments in a large range through a single APP.

The YBT series recorder can record up to 39960 groups of recording points per channel. After recording, data can be exported through the mobile phone APP, or data reports in multiple file formats (PDF/XLS/TXT/CSV/DLG) can be automatically exported by connecting the PC USB interface. For data reports of DLG type, multiple file data alignment and analysis using optional PGraph software.

The YBT series recorder is standard equipped with the data analysis software PoChain in accordance with the food and drug industry (FDA 21 CFR Part 11) specifications, and the instrument is connected through the USB interface without any drive, and can be used for user process traceability, configuration parameters and analysis data (data sheets, data curves, etc.).

YBT series recorder has the function of light alarm, and when the measured value exceeds the set alarm threshold, the instrument will immediately alarm to remind the user. Moreover, the instrument is equipped with large capacity lithium battery power supply and ultra-low power consumption design, which has the characteristics of single battery standby time of up to one year.

The YBT series recorder contains multiple models, and each model has different functions, which can be selected through the parameter table.

FEATURES:

- Low-power Bluetooth 4.2 communication protocol
- Ultra-long standby time
- The alarm threshold can be set
- Power data will not be lost
- Support the adapter USB interface for a long time of power supply
- Automatic export data file (PDF/XLS/TXT/CSV/DLG)
- The PDF documents are paperless for the record
- PDF file contain tracking records
- Support for a maximum of 39960 sets of data storage
- Support for Pochain maximum 6-point calibration
- Standard Pochain software complies with FDA specifications
- Standard mobile phone APP configuration instrument and view data



The YBT Series Temperature and Humidity Data Logger

APPLICATION:

- Food and drug cold chain
- Laboratory
- Museum
- Greenhouse
- Agriculture
- Transportation and storage process monitoring

NOTE:

- Operation of the instrument correctly and use it in the environment defined by the technical parameters table.
- Please dispose of the waste in accordance with the relevant regulations of the national environmental protection.
- Avoid sun exposure.
- Avoid direct contact with corrosive chemicals.

WARNING:

- No private disassembly!
- Strictly prevent strong electricity, electrostatic impact!

SPECIFICATION:

Type	YBT-10	YBT-20
Measuring Parameters	Temperature	Temperature, humidity
Sensor Position	Built-in	
Measuring Range	-20~+70℃	Temperature: -20~+70℃ Humidity: 0 ~ 100%RH (Non-condensation)
Certainty of Measurement	±0.3℃ (-10~+65℃) ±0.5℃ (Others)	Temperature: ±0.3℃ (-10~+65℃) ±0.5℃ (Others) Humidity: ± 3%RH (10~90%RH, 25℃) ±4%RH (Others)
Resolution	0.1℃	Temperature 0.1℃; Humidity 0.1%RH
Storage Capacity	39960 sets of measurements	25920 sets of measurements
Response Time (t ₉₀)	About 15 minutes	
Start the Way	Key Start; APP start	
Stop the Way	Press the button to stop; APP stop; USB stop	
Calibration Point Number	One to six points calibration	
Attended Mode	Bluetooth 4.2; USB 2.0	
Software	BoChain App; PoChain PC software	
Service Temperature	-20~+70℃	
Storage Temperature	-20~+70℃ (Without battery)	
Battery Specifications	CR2450 non-rechargeable lithium battery (User-replaceable)	
Battery Life	About 12 months (Condition: ambient temperature 25℃, measurement interval greater than 15 minutes)	
Protection Class	IP65	IP40
Size	Φ50mm*19mm	
Material	POM	
Weight	About 34g (Excluding battery)	
Standards	CE, ROHS, EN12830	
Warranty	12 months	