BIVAR

Smart Technology

BWTHS
Bivar Wireless Temperature & Humidity Sensor

Bivar's BWTHS Sensor* monitors the temperature and relative humidity of the air within a given environment, room or enclosure. It is ideally used in server rooms/cabinets, industrial spaces, museums, and greenhouses.

Monitoring available through any iOS or Android handheld device, tablet or a computer by downloading and installing the free Bivar Smart App.

*Temperature & Humidity Sensor must connect with a Bivar Wireless Gateway Communication Center (BWGCC) to function.

Features

- Industrial/Scientific Grade Sensor
- Temperature monitoring within 18°C (64°F) and 27°C (80°F)
- Humidity monitoring of relative humidity (RH) within 40% and 60%
- Temperature measurement accuracy of +/-0.2°C
- Relative Humidity measurement accuracy of +/- 5% RH
- Actual range may vary depending on environment
- Battery life is dependent on reporting frequency and other variable factors.
- LED light with real time status
- iOS or Android App for active monitoring of status and events
- AES-128 Encryption with secure wireless and cloud communication
- Easy installation with provided hardware

What's in the box

- BWTHS-____ Wireless Sensor
- Battery Included and Installed
- Bivar Android and IOS App Setup Instructions.

Ordering

BWTHS - XX - YY

"XX"	Communication Protocol
01	4G/LTE
02	NB/IoT (Under Development)
03	5G (Under Development)

"YY"	Region
01	USA
02	Europe (Under Development)
03	Asia (Under Development)

Functional Specifications

No.	Property	Technical Parameters
1	Product name	Bivar Wireless Temperature and Humidity Sensor
2	Series Models	BWTHS-0101
3	Hardware Version[1]	V2.0.0
4	Communication frequency	915MHz
5	RF Rate Output Power	12dbm@10kb
6	Antenna gain	3dB (180°flat)
7	Recommended distance from gateway	15 m (indoor)
8	Temperature measurement accuracy	±0.2℃ (0℃～＋65℃)
9	Temperature measurement range	-40℃～+85℃
10	Relative humidity measurement range	0.5%RH～100%RH
11	Relative humidity measurement accuracy	±5%RH（10%RH-90%RH）
12	Operating temperature	-40℃～+85℃
13	Static power	3μA（3.6V，25℃）
14	Max operating current	40mA
15	Size (W x D x H) – Including Rubber Bumpers	2.75 x 2 x 1.125 in (70 x 51 x 29 mm)
16	Battery capacity	

(1) Bivar reserves the right to makes changes/upgrade to hardwares without prior notice.

Mouser Electronics

Authorized Distributor

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  [BWTHS-0101](#)