TW-WiFi Series

Wireless WiFi-Connectivity Temperature & Humidity Sensor, with Monitoring & Alarming system

TW-WiFi series is designed specifically for environmental monitoring. It can continuously and stably monitor the temperature and humidity changes in different environments such as hospitals, laboratories, medical equipments, server rooms, and transportation processes.

According to client needs, our transmitter can be combined with thermocouple, RTD probes, uploading the data to our Cloud Database through WiFi, customers can observe the temperature and humidity in real time through the computer or smart phone website, and directly set up the alarm condition, the system will send a message via LINE, e-mail or a relay may be selected.

FEATURES

- ν   With WiFi Connection, there is no need for expensive wireless receiver apparatus; you can also share personal hotspot.

- ν   Smart Cloud Service provides real-time data monitoring: Using WiFi network to connect our database, and instantly respond in the website.

- ν   Customers can do configuration, monitor, and receive the alarm in our system website, without updating extra software.

- ν   According to environment condition, we provide external sensors such Thermocouple and RTD.

- ν   *Wide range of applications*: Suitable for low temperature storage space, laboratory, server room, warehouse and other indoor environment monitoring. It can be used to monitor numerous locations by adding additional transmitters.

SPECIFICATION

THERMOCOUPLE SENSOR	TYPE:	K, E, J, T, N, R, S, B (Customized)
	Temperature Range:	-200~+1750°C
	Accuracy:	±0.15%(-20~+85°C); depending on sensor type
	Resolution:	0.1°C
	Calibrated Accuracy:	±0.7°C(-20~+85°C)
	Voltage Protection:	±45V
	Filtering Protection:	50/60Hz
	ESD Protection:	±2000V
RTD SENSOR	TYPE:	PT100, PT1000; 2W/3W/4W (Customized)
	Temperature Range:	-200~+800°C; depending on sensor type
	Accuracy:	±0.5°C (max. 0.05%)
	Resolution:	0.1°C
	ESD Protection:	±2000V
DIGITAL SENSOR	Temperature Range:	-40~+125°C
	Humidity Range:	0~100% RH
	Accuracy:	±0.4°C(Max.), -10~+85°C
	Relative humidity:	±3%RH(Max.) 0-80%RH
RANGE	WiFi 2.4GHz, Distance: 30-50M	
OPERATING ENVIRONMENT	-20~+60°C 5~95%RH non-condensing	
POWER SUPPLY	4.7 – 6.0 VDC	

MODEL	DESCRIPTION
TW-WiFi-EW-56	Transmitter with Thermocouple Sensor
TW-WiFi-EW-65	Transmitter with RTD Sensor
TW-WiFi-EW-21	Temperature & Humidity Digital Sensor
TW-WiFi-EW-mA	Transmitter for 4-20mA input

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