

# HUMIDITY/Temperature to WIFI CONVERTER

Model : RHW-925

ISO-9001, CE, IEC1010

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02-2389-0101



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*The Art of Measurement*

# HUMIDITY/Temp. to WI-FI CONVERTER

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## FEATURE

* Can be temperature and humidity data sent to the desired device through WiFi. the use of smart phones or tablet computers developed by the company's free software to do data collection record APP.
* WiFi work mode: Access Point(AP) or Client mode
* I/O terminal: 1. DC 9V power input 2. DC 9V power output(power supply for the connecting RS232 meter) 3. Pt-100 ohm input. 4. Three RS232 input ( photo isolate RS232 type ) 5. Ethernet RJ485 input.
* Basic setting: 1. NetMode, 2. SSID, 3. Password, 4. IP address, 5. Port,6. Gateway address.
* Simultaneous display Humidity ,Temperature,Web buie, Dew point temp. reading value.
* Humidity range : 5% to 95%
* Temprature range : 0 °C to 50 °C, °C/°F
* Maximum TCP connections to 20
* No need through the computer settings, can make the setting on the meter directly.
* APP(Android) and APP(iOS) are available.

## GENERAL SPECIFICATION

Circuit	Custom single-chip microprocessor LSI circuit
Display	LCD Size: 3.2 X 2.4" (60 X 44.4 mm) Dot Matrix backlit LCD (128 X 64 pixels)
Wireless	* Support IEEE 802.11b / g / n wireless standards * Support the range of frequency : 2.412 to 2.484 GHz. * Support two types of wireless networks: Access Point(AP) and Client * Support multiple security authentication mechanisms : 64/128/152 bit WEP encryption, WPA-PSK/WPA2-PSK 、 WPA/WPA2 security mechanism.
NET mode setting	* Access Point (AP) Mode(Wireless) * Client Mode(Wireless) * Ethernet Mode(RJ45)
Measurement	* Humidity/ Temperature * Dew pint Temperature * Wet bulb Temperature * Pt 1000 ohm Temp.
I/O terminal:	1. DC 9V power input 2. DC 9V power output * <i>power supply for the connecting RS232 meter</i> 3. Pt-100 ohm input. 4. Three RS232 input ( photo isolate RS232 type ) 5. Ethernet RJ485 input.
Basic setting:	1. NetMode, 2. SSID, 3. Password, 4. IP address, 5. Port,6. Gateway address.
APP	APP(Android) and APP(iOS) are available.
Data Output USB/RS232 *Computer interface	RS232 computer serial interface * Connect the optional USB cable USB-01 will get the USB plug. * Connect the optional RS232 cable UPCB-02 will get the RS232 plug.
Operating temperature	0 to 50°C ( 32 to 122°F ).

Operating humidity	Less than 80% R.H..
Power supply	AC to DC adapter 9V.
Power consumption	DC 170 mA approximately.
Weight	222 g/0.49 LB.
Dimension	134 X 80 X 32 (5.3 X 3.1 X 1.3 inch). * <i>Dimension is for the meter without antenna only.</i>
Accessories included	* Instruction manual 1 PC * Hanging unit ( with sticker ) 1 PC * AC to DC 9V power adapter. 1 PC
Optional Accessories	* RS232 cable,UPCB-02. * Pt 1000 Temp. probe,TP-1000 * USB cable,USB-01. * Network data acquisition software,SW-818.

### ELECTRICAL SPECIFICATIONS (23± 5 °C)

#### Humidity

Range	Resolution	Accuracy
5 % to 95 %RH	0.1 %RH	< 70 %RH: ± 3 %RH ≥ 70 %RH: ± (3 %RH reading + 1 %RH)

#### Temperature

Range	Resolution	Accuracy
0.0 °C to 50.0 °C	0.1 °C	± 0.8 °C
32.0 °F to 122.0 °F	0.1 °F	± 1.5 °F

#### Dew point Temp.

Range	Resolution	Accuracy
-5.4 °C to 49.0 °C	0.1 °C	Calculate from the
22.2 °F to 120.0 °F	0.1 °F	Humidity/Temp. Value

#### Pt 1000 ohm Temperature(optional probe)

Range	Resolution	Accuracy
-10.0 °C to 70.0 °C	0.1 °C	± 1.2 °C
14.0 °F to 158.0 °F	0.1 °F	± 2.5 °F

\* Appearance and specifications listed in this brochure are subject to change without notice.

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