



## **Misol WH-2900-1 Professional Weather Station, Weather Observation, WiFi Data Logger, Anemometer Thermometer and Hygrometer**

### **Features:**

**1. Color display**

**2.Touch Panel**

**3. It can connect to Wi-Fi, and upload the data to web: [www.wunderground.com](http://www.wunderground.com)**

**(Remark: The weather station only supports the 2.4 GHz band. Please make sure both mobile device and weather station console are both connected to the same 2.4 GHz band. )**

**4. Indoor/outdoor Temperature in C/F selectable**

**5. Indoor /outdoor Humidity**

**6. Display wind speed, gust and wind direction**

**7. Wind speed in ms, km/h, mph, knots and bft (accuracy: <10m/s: +/-1m/s, >=10m/s: 10%)**

**8. Rainfall in inch, mm (accuracy: +/-10%)**

9. Display rainfall in rate, event, day, week, month and total.
10. Independent alerts for indoor & outdoor temperature & humidity.
11. Independent alerts for rain rate and rain day.
12. Independent alerts for wind speed.
13. Pressure display with hpa, mmhg or inhg unit.
14. Heat index, wind chill and dew point for outdoor
15. High/Low records for indoor/outdoor temperature/humidity
16. MAX/MIN data records.
17. High/Mid/Off backlight controlled
18. User accuracy calibrations supported
19. Automatically to save user set parameters (unit, calibration data, alarm data...) in to EEPROM.
20. When DC power adapter is connected, back light is on permanently.  
When only battery operated, back light is turned on only when button is pressed and auto time out is 15s.
21. Get Time from internet (after connect to Wi-Fi).
22. Auto DST (daylight saving time)
23. Calendar (Month/date, 2000-2099 Default Year 2016)
24. Time (hour/minute)

#### **Outdoor data**

**Transmission distance: Max. 100meter (330 feet)**

**(tested in open field, no obstacle in between, no interfere in between)**

**Frequency: 433 MHz**

**Temperature range: -40~+60°C**

**Accuracy : +/- 1°C**

**Resolution: 0.1°C**

(remark: in the cold weather, battery will stop working. Lithium battery is recommended.)

Humidity range:10%~99%

Accuracy : +/- 5%

Rain volume: 0 -6000 mm

Resolution:0.3mm (if rain volume < 1000mm), 1mm (if rain volume > 1000mm)

Accuracy : +/- 10%

Wind speed:0-50m/s (0~100mph)

Accuracy:+/- 1m/s (wind speed< 5m/s), +/-10% (wind speed > 5m/s)

Wind direction: 0 to 359 degree

Light: 0-200k Lux

Accuracy : +/-15%

Measuring interval outdoor sensor: 16 sec

#### Indoor data

Indoor temperature range: 0℃--60℃

Resolution: 0.1℃

Accuracy : +/-1℃

Humidity:10%~99%

Resolution: 1%

Accuracy : +/- 5%

Air pressure range : 700-1100hPa (20.67-32.5inHg)

Accuracy: +/-3hpa

Resolution: 0.1hPa (0.01inHg)

Measuring interval indoor sensor: 60 sec

**Power Consumption:**

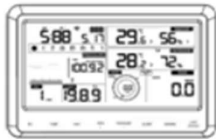
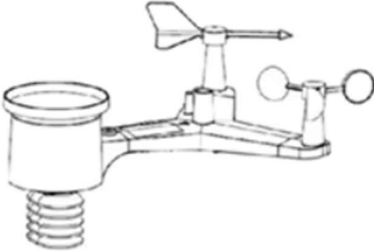


**Base station: 5V DC adaptor (included)**

**Or 3XAAA 1.5V batteries(not included in the package)**

**Remote sensor: 3 x AA 1.5V batteries (not included in the package)**

**(Remark:The primary power source is the solar panel, the solar panel will charge the power to the inner super capacitor. The batteries provide back up power when there is limited solar energy. So, don't put the rechargeable batteries into it.)**

**Package included:**

QTY	Item	Image
1	Display Console Frame Dimensions (LxWxT): 18.7x11.5x1.9cm	
1	Sensor Array Dimension: approx. (LXWXH):33x30x17cm	misol/Outdoor sensor (spare part) for weather station wireless 433Mhz 
1	5V DC Adaptor	
1	U bolt	
1	User manual in English	