

Solar Powered Wireless Wi-Fi

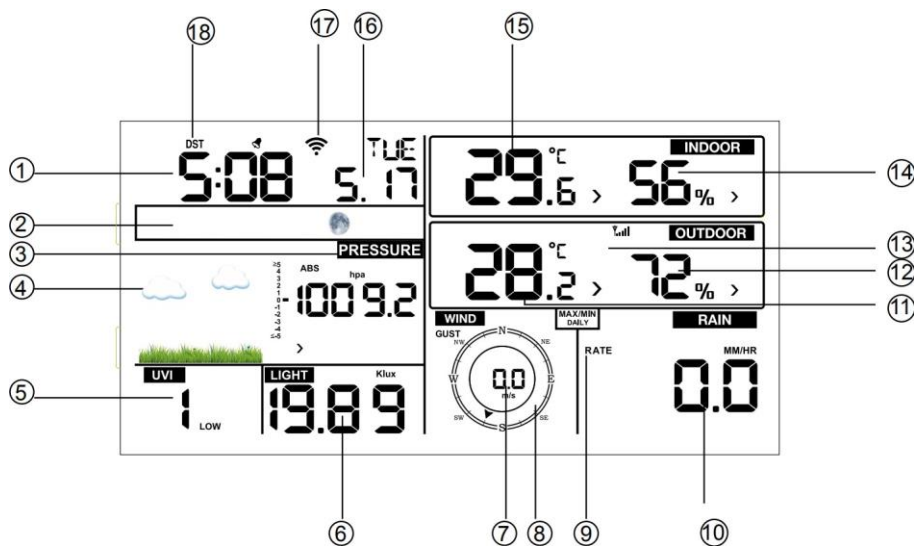
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The Solar Powered Wireless Wi-Fi Weather Station. The following user guide provides step by step instructions for installation, operation and troubleshooting.

RoHS
Compliant



Screen Display



1. Time	10. Rain fall
2. Moon phase	11. Outdoor temperature
3. Barometric Pressure	12. Outdoor humidity
4. Weather forecast	13. RF icon
5. UV index	14. Indoor humidity
6. Light	15. Indoor temperature
7. Wind speed	16. Date
8. Wind direction	17. WI-FI icon
9. MAX/MIN Daily	18. DST

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Specification

Outdoor data

Transmission distance in open field	: 100m (300 feet)
Frequency	: 868MHz
Temperature range	: -40°C to 60°C (-40°F to +140°F)
Accuracy	: ±1°C
Resolution : 0.1°C	
Measuring range rel. humidity	: 10% to 99%
Accuracy	: ±5%
Rain volume display	: 0mm to 6000mm (show --- if outside range)
Accuracy	: ±10%
Resolution	: 0.1mm (if rain volume < 1000mm) 1mm (if rain volume > 1000mm)
Wind speed	: 0m/s to 50m/s (0mph to 100mph) (show --- if outside range)
Accuracy	: ±1m/s (wind speed < 5m/s) +/-10% (wind speed > 5m/s)
Light	: 0k Lux to 200k Lux
Accuracy	: ±15%
Measuring interval thermo-hygro sensor	: 16 s

Indoor data

Indoor temperature range	: 0°C to 50°C (32°F to +122°F) (show --- if outside range)
Resolution	: 0.1°C
Measuring range rel. Humidity	: 10% to 99%
Resolution	: 1%
Measuring range air pressure	: 700hPa to 1100hPa (20.67inHg to 32.5inHg)
Accuracy	: ±3hpa
Resolution	: 0.1hPa (0.01inHg)
Alarm duration	: 120 sec
Measuring interval indoor data	: 60s

Power consumption

Base station	: UK Plug 5V DC adaptor (included),
Power Consumption configuration mode)	: 0.5 Watts (1.25 Watts during WiFi)
Base station	: 3 × AAA batteries (not included)
Remote sensor	: 2 × AA batteries (not included)

The primary power source is the solar panel. The batteries provide backup power when there is limited solar energy.

Part Number Table

Description	Part Number
Solar Powered Wireless Wi-Fi Weather Station, 100m	PSG04173

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