



PRODUCT DATA SHEET

SPR-171

Professional WIFI Wireless Weather Station



Technical Specifications

Wireless Transmission	Frequency: 433 MHz Range: Up to 100 meters (line of sight)
WiFi Connectivity	WiFi Standard: 802.11 b/g/n Frequency: 2.4 GHz Range: Up to 20 meters
Power Supply	Display Console: 3 x AAA batteries (not included) Outdoor Sensor: 3 x AA batteries (not included) Adapter: 6V, 500mA (included)
Battery Life	Minimum 12 months for both console and outdoor sensor (with lithium batteries in cold climates)
Measurement Range	Indoor Temperature: 0 to 60°C Outdoor Temperature: -40 to 60°C Indoor Humidity: 10 to 99% Outdoor Humidity: 10 to 99% Rainfall: 0 to 9999mm Wind Speed: 0 to 50 m/s Wind Direction: 0 to 360° Barometric Pressure: 300 to 1100 hPa
Accuracy	Temperature: $\pm 1^{\circ}\text{C}$ Humidity: $\pm 5\%$ (20-90% range) Rainfall: $\pm 1\text{mm}$ (<15mm), $\pm 7\%$ (>15mm) Wind Speed: $\pm 0.3\text{ m/s}$ (2-10 m/s), $\pm 10\%$ (10-50 m/s) Wind Direction: $\pm 45^{\circ}$ Barometric Pressure: $\pm 3\text{ hPa}$
Resolution	Temperature: 0.1°C Humidity: 1% Rainfall: 0.3mm (<1000mm), 1mm (>1000mm) Wind Speed: 0.1 m/s Barometric Pressure: 0.1 hPa
Display	LCD with backlight Dimensions: 135 x 26 x 96 mm (console) LCD Dimensions: 111 x 75 mm
Outdoor Sensor	Dimensions: 330 x 150 x 280 mm Solar-powered with battery backup Transmission Interval: 16 seconds
Mounting	Includes mounting pole, brackets, and screws for easy installation
Compatibility	Works with Weather Underground and WeatherCloud for online data sharing

Features

- Wireless Connectivity: 433 MHz, 100-meter range.
- WiFi Integration: Uploads data to online services.
- Comprehensive Data: Measures temperature, humidity, wind, rainfall, and pressure.
- Forecasting: 24-48 hour weather predictions.
- Moon Phase Display: Current moon phase shown.
- Custom Alarms: Alerts for weather conditions.
- Solar-Powered: Outdoor sensor with battery backup.
- Easy Setup: Simple installation included.
- LCD Display: Clear, backlit for low light.

General Specifications

The SPR-171 Professional WIFI Wireless Weather Station is a high-precision weather monitoring device designed for both indoor and outdoor use. It provides real-time weather data, including temperature, humidity, wind speed, wind direction, rainfall, barometric pressure, and more. The device features a wireless transmitter that sends data to a display console,

Ordering Information

SPR-171 : Professional WIFI Wireless Weather Station .

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