



CDQ-T8A Weather Station

For weather automation applications



Features

- TFT color display
- High sensitivity
- Measure and display indoor and outdoor temperature/humidity
- Light weight, long service life
- Precipitation data: 1 hour, 24 hours, 1 week
- Easy to install, all-weather measurement
- Strong resistance to harsh environment

CDQ-T8A Wireless Home Weather Station used to measure the indoor temperature and humidity and outdoor temperature and humidity, atmospheric pressure, light, ultraviolet radiation, wind speed and direction, large screen color LCD display and built-in large capacity storage function, also can to view history Data and Wind speed and rainfall alarms can be set, suitable for installation in the garden, villa, park, country house and other areas.

Typical installation locations

- Country house
- Courtyard
- Private meteorological application
- Garden

Design structure

Common transmission methods include wired transmission (such as RS232, RS485, Ethernet, etc.) and wireless transmission (such as GPRS, WiFi, Bluetooth, LoRa, etc.). Data can be transferred to a local monitoring terminal (such as a computer, display screen, etc.) for real-time display and storage, and can also be transferred to a remote server or cloud platform for users to remotely access and analyze through the Internet.

Easy installation

Stay away from buildings, trees and other obstacles to ensure that the weather station can accurately measure wind direction and speed.

Avoid installation in low-lying areas to prevent water from affecting the normal operation of the weather station.

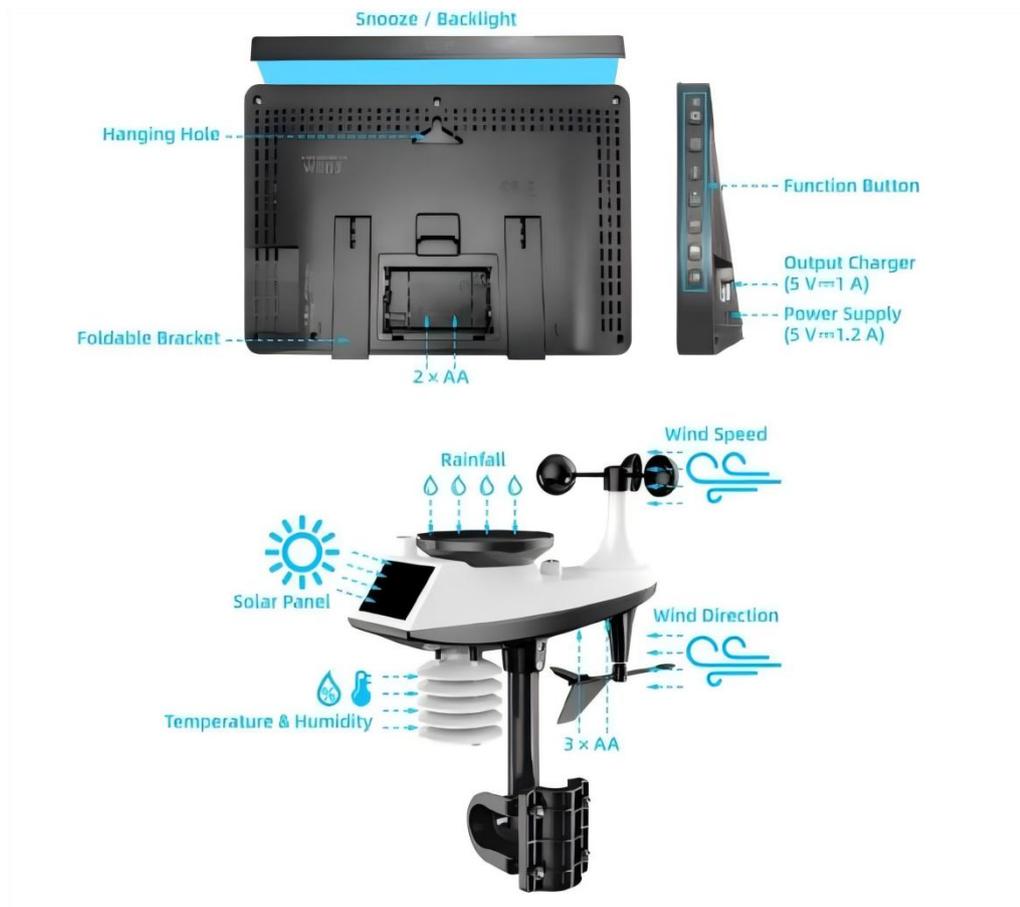
Choose a flat, stable surface to ensure that the weather station is securely installed

Reliable operation

The communication protocols of weather stations usually adopt international standards or industry standards, such as Modbus, TCP/IP, etc., which has high reliability and compatibility. The reliability of the communication protocol can ensure the accurate transmission and reception of meteorological data, and avoid data loss and error.

Parts list

CDQ-T8A connector dimension



WiFi Weather Station

7-in-1 Outdoor Sensor

7.3" inches LED display

Transmit up to 300ft

The advertisement features a background image of the weather station on a white pole. In the foreground, there is a large black digital display showing various weather metrics: 36°F, 2.7, 69°F, 568, 22.3, 18.2, 19.3, 23.6, 52, 85, 22.3, 1024, 40, 9:08, 22.8, 39. The display also shows icons for sun, moon, and clouds. Below the display is a white remote control labeled 'Remote Thermo-Hygrometer'. A Wi-Fi signal icon is shown to the left of the station, and a diagonal banner across the image reads 'Transmit up to 300ft'.

Technical data

Measurement performance, models CDQ - T8A

| Item | Range | Resolution | Accuracy |
|-------------------------------------|--------------------|---|----------------|
| Outdoor Temperature | -30-+65℃ | 0.1℃ | ±1℃ |
| Outdoor Humidity | 0-99%RH | 1%RH | ±5%RH |
| Rainfall | 0-9999mm | 0.3mm (< 1000mm) | ±10% |
| Wind speed | 0-50m/s (0~100mph) | 0.1m/s | ± 1m/s (<5m/s) |
| Indoor Temperature | -10-+60℃ | 0.1℃ | ±1℃ |
| Indoor Humidity | 0-99%RH | 1%RH | ±5%RH |
| Barometric pressure | 300-1100hPa | 0.1hPa | ±3hpa |
| Supply | Console | 5V DC adapter (included) | |
| | Indoor sensor | 2*AAA alkaline batteries (not included)① | |
| | Outdoor sensor | 3*AA rechargeable batteries (not included)① | |
| Transmission distance in open field | 100m(330 feet) | | |
| Measuring interval outdoor sensor | 16s | | |
| Measuring interval indoor sensor | 64s | | |
| Alarm duration | 120s | | |

| Model number | Type | Output | Special features |
|--------------|---|-------------------------------|---|
| CDF-10A | Wind speed | Pulses(PNP) RS485 4-20MA 0-5V | Three cup plastic wind speed |
| CDF-11A | Wind direction | RS485 4-20MA 0-5V | Plastic wind direction sensor |
| CDG-10B | Solar Radiation | 0-5V,4-20mA,RS485 | Spectral range:300~1100nm |
| CDG-11B | Pyranometer | 0-20mV,RS485 | Spectral range:300~3000nm Class one |
| CDG-12B | PAR sensor | 0-5V 4-20mA RS485 | Spectral range:400~700nm |
| CDG-13B | Ultraviolet(UV) Radiation | 0-5V 0-10V 4-20mA RS485 | Spectral range:280~400nm |
| CDG-14A | Illuminance Sensor | 0-5V 0-10V 4-20mA RS485 | Spectral range:380~780nm |
| CDG-17B | Scattering Radiometer | RS485 | Spectral range:280~3000nm |
| CDQ-T6A | Miniature Ultrasonic Automatic Weather Instrument | RS485 | Wind speed%direction Atmospheric temperature&humidity&pressure |
| CDQ-T0C | Automatic Weather Station | RS485 4G/WIFI/Ethernet | Wireless data transmission |
| CDQ-T1C | Automatic Integrated weather station | RS485 SDI-12 | Multiparameter integration |
| CDQ-T8A | WIFI Weather Station | WIFI LCD display | 7 in 1 weather station |
| CDQ-T9A | Plastic Weather Station | LCD display | 7 in 1 weather station |

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