CDQ-T9A 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-T9A 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, dew-point,rainfall, large screen color LCD display and built-in large capacity storage function, the product can be through the WIFI meteorological data uploaded to www.wunderground.com, also can through the APP to view data, 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.

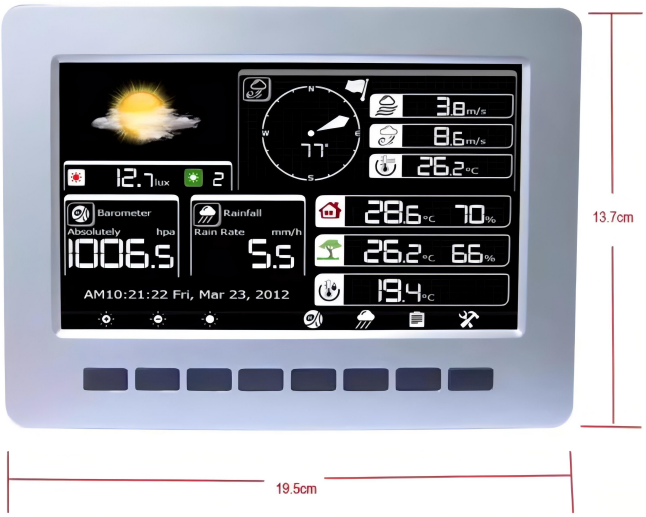
Choose a flat, stable surface to ensure that the weather station is securely installed

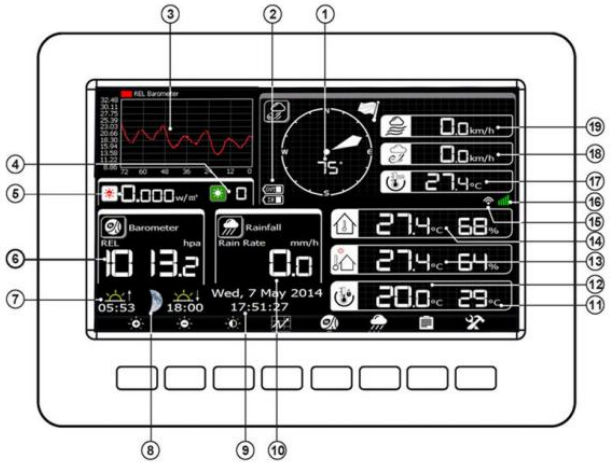
Reliable operation

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.

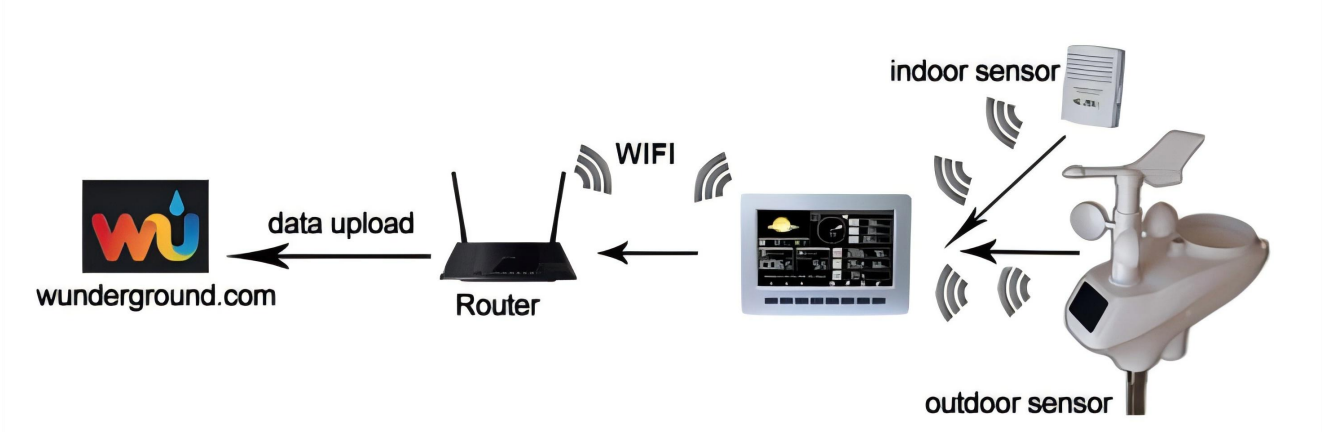
Dimensions

CDQ-T9A connector dimension





Data transmission



Technical data

Measurement performance, models CDQ-T9A

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)
Illumination	0-400k Lux	1Lux	±15%
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)		
Supply — Indoor sensor	2*AAA alkaline batteries (not included)①		
Supply — 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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