



CDF-15A Digital Anemometer

For weather automation applications



Features

- Small size, light weight, easy to carry, can be measured anytime and anywhere
- Easy to operate, no professional knowledge is required to use
- Record measurement results
- With a display screen, you can directly display the measurement data
- Low power design, some only need dry battery power
- It can meet the requirements of wind speed measurement range in different scenarios

CDF-15A Digital Anemometer is a rotary cup type anemometer. It is light, compact and portable. It adopts high accuracy low friction ball bearing and light-weight vane design. It can provide precise measurement in low wind speed. CDF-15A can test and real-time display wind speed , ambient temperature and air flow at the same time. It is powered by replaceable battery, and features low power consumption and auto power-off function.

Typical installation locations

- Agriculture
- Air-exhaust system
- Open areas
- Outdoor locations

Design structure

It is equipped with LCD screen, which can display measurement data intuitively. The shell may be made of strong materials such as engineering plastics, with certain waterproof and shock-proof properties to adapt to different use environments. Usually powered by dry batteries or rechargeable lithium batteries, with a low-power design to achieve long standby or use. Some devices may also support an external power supply.

Easy installation

Choose an open, unobstructed location for measurement, and avoid obstacles such as buildings, trees, and power poles that may affect the measurement results. Press the power button of the handheld anemometer. After the device is started, the display screen will display the current measurement status and parameters. Point the probe of the handheld anemometer at the wind direction, hold the device steady, and wait a few seconds until the display displays a steady wind speed value.

Reliable operation

It is usually made of high-strength engineering plastic or metal material, which can withstand certain impact and collision and is not easy to damage. When used outdoors, it can resist bad weather conditions, such as wind and rain, sand and dust.

Packing & display

CDF-15A connector dimension



Display

M/S MPH KNOTS KM/H FT/MIN Measurement unit selection

USB computer connection to analyze historical data



Technical data

Measurement performance, models CDF -1 5A

Technical Specification

Item	Wind speed	Wind temperature	Wind direction
Range	0-45m/s	0-45° C	0-360°
Resolution	0.1m/s	0.2° C	1°
Accuracy	±3%	≤±2° C	±3°
Unit	m/s, Ft/min, Knots, Km/hr, Mph	° C, ° F	°
Display	LCD with back-light		
Supply	6VDC (4 *1.5V AAA)		
Dimension	Main body: 145*72*35mm		
Weight(unpacked)	276g		
other	Max/ Min wind speed measurement		
	Average / real-time wind speed,air temperature & wind direction measurement		
	Data logger(record 500 groups of data)		
	The unit can be switched		

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
CDF-12A	Pipe wind speed	RS485 4-20mA 0-5V 0-10V	Duct type wind speed sensor
CDF-13B	Wind speed display controller	LED display	Wireless output relay output
CDF-20B	Combined Wind Speed & Direction	RS485 4-20mA 0-5V 0-10V	Integrated wind speed and direction
CDF-21A	Ultrasonic Wind Speed & Direction	RS232/RS485(Modbus/NMEA-0183), Voltage(0-5V),Current(4-20mA) optional	Ultrasonic principle
CDF-22A	Mini Ultrasonic Wind Speed & Direction	4-20mA,RS232/RS485(Modbus or NMEA-183), SDI-12	Ultrasonic principle
CDF-26B	Recorder station for wind	LCD display & 4G WIFI Ethernet	Wind speed & direction recorder
CDQ-T6A	Miniature Ultrasonic Automatic Weather	RS485	Wind speed & direction temp & humidity & pressure
CDW-33A	Atmospheric Temperature, Humidity & Pressure	RS485	Shelter installation
CDY-12A	Economical Tipping Bucket Rainfall	Pulses(@10kΩ&0.01uF),RS485	Diameter :φ200mm, height: 271mm
CDG-10B	Solar Radiation	0-5V,4-20mA,RS485	Spectral range:300~1100nm



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