RS485 Wind Direction Transmitter

SEN0482

Product Overview

10/28/2022

For the most up-to-date information, visit www.mouser.com or the supplier's website.

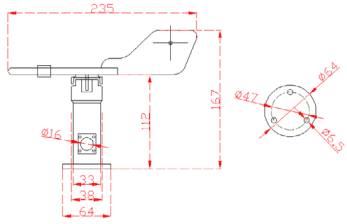
Description

DFRobot RS485 Wind Direction Transmitter is a professional meteorological instrument used to measure horizontal wind direction. This transmitter integrates a hall sensor inside. The shell and weather vane is made of aluminum alloy material and uses special mold precision die casting process, featuring small dimension tolerance and high surface accuracy. The RS485 wind direction transmitter has a protected internal circuit that provides the sensor with properties of high strength, weather resistance, anti-corrosion, and waterproof. The cable connector adopts a corrosion-resistant military plug that ensures the long service life of the product.

the RS485 wind direction transmitter utilizes a low-inertia wind vane to sense the wind direction. When the wind direction changes, the tail wing rotates to drive the axle magnet to rotate through the shaft, thereby obtaining accurate wind direction information. This transmitter can detect the 16 azimuths' natural wind directions. Typical applications include meteorology, ocean, environment, airports, ports, laboratories, industry, agriculture, and transportation.

Features

- High measurement accuracy, fast response, and good interchangeability
- Easy to install and operate
- High sensitivity:
- ≤0.3m/s Start-up wind speed
- Suitable for various harsh environments and high wind resistance



Kit Contents

- 1x RS485 Wind Direction Transmitter
- 1x 2.5m Wire

Specifications

- Measuring range:
  - 16 directions
- Lead length:
  - 2.5m/98.43”
- 7V to 24V Power voltage
- Communication protocol:
  - RS485 interface Modbus protocol

Applications

- Meteorology
- Ocean
- Environment
- Airports
- Ports
- Laboratories
- Industry
- Agriculture
- Transportation

Mouser Part Number

View Part

To learn more, visit https://www.mouser.com/new/dfrobot/dfrobot-rs485-wind-direction-transmitter/