WIND DIRECTION SENSOR WDR

SKU: WDR

Doc No: WDR-DS-EN-10

Introduction

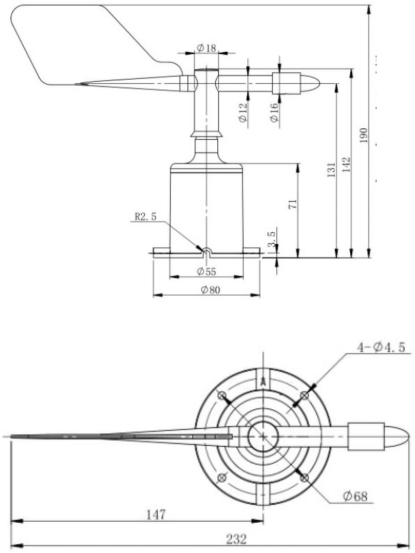
The wind direction sensor is used to measure the direction value of the wind and convert it into an electrical signal, which can be directly transmitted to the recording device for processing. The sensor housing is made of polycarbonate environmental protection material, with very small dimensional tolerances and high surface accuracy.
The wind direction sensor adopts low inertia wind vane and precision potentiometer, with high sensitivity and high precision.

- Weather resistant;
- High durability;
- High data transmission efficiency and reliable.

Typical applications

- Weather Station;
- Ship navigation;
- Aviation;
- Weather buoys;
- Wind turbines.





Specification

Measure range	0-360 degree
Start wind	0.5 m/s
Resolution	0.1 degree
Accuracy	+/- 1 degree
Maximum turning radius	200mm
Output	0..5VDC or RS485 ModbusRTU
Power supply	12..24VDC
Power consumption	≤0.3W

Working temperature	-20~60℃
Working humidity	≤100%RH
Cable specifications	2m 3-wire system (analog signal)

Ordering Code

Item code	Descriptions
WDR-01-ANALOG	WIND DIRECTION SENSOR, 0-360 DEGREE, CARBON FIBER, 0-5VDC OUTPUT, 12-24VDC, WITH CABLE AND CONNECTOR
MBRTU-WDR-01	WIND DIRECTION SENSOR, 0-360 DEGREE, CARBON FIBER, MODBUSRTU RS485 OUTPUT, 12-24VDC, IP65

⚠ Link for full datasheet:

⚠ Link for manual:

Daviteq Technologies Inc

www.daviteq.com | info@daviteq.com

Revision #6
★ Created Mon, Apr 26, 2021 7:00 PM by Lộc Vĩnh Nguyễn
Updated Mon, Apr 26, 2021 7:23 PM by Lộc Vĩnh Nguyễn