Analog 4-20mA Wind Speed Sensor Datasheeet

Product Name : Analog 4-20mA Wind Speed Sensor

Product Code : WSS-AN



Overview

This three-cup anemometer measures horizontal wind speeds in the range of 0–60 m/s regardless of wind direction. With its durable aluminum housing, it is designed for outdoor and industrial applications. The sensor generates a linear 4–20 mA signal proportional to wind speed, providing 4 mA at the minimum wind speed and 20 mA at the maximum measurement range.

Application Areas

- Solar Power Plant
- Agricultural Fields
- Greenhouse Applications
- Meteorological Measurement
- Industrial Applications
- Wind Power Plant
- Highways and Bridges
- Ship weather station
- Airports
- Forest Regions

Electrical Specifications	
Measurement Range	: 0 ~ 60 m/s (0 ~ 134 mph)
Accuracy	: 0.1 m/s
Resolution	: ± 2%
Operating Temperature	: -20°C ~ 70°C
Starting Value	: 0.1 m/s
Measurement Principle	: Optik
Protocol and Connection Output	: Analog 4-20 mA
Supply Voltage	: 9-48 V DC
Current Consumption	: 10 mA @24 VDC

Mechanical Specifications	
Dimensions	: Ø95 x Ø210 x 160 mm
Protective Case	: Aluminum
Ladle	: ASA
Protection	: IP 65

Cable and Connection Specifications		
Cable Length	: 3 m	
Connector Class	: IP 67	
White	: 9- 48 V DC (+)	○
Brown	: GND (-)	●
Yellow	: 4-20 mA Out	●

Technical Specifications



