Product Name : Modbus RTU Relative Humidity Sensor RS485

Product Code : RHS-MB

Overview

Humidity sensors based on capacitive, resistive, or thermal principles convert variations in air moisture into electrical signals. When connected to devices such as microcontrollers or data loggers, they utilize the Modbus RTU communication protocol to transmit real-time humidity data by processing the instantaneous voltage values.



Application Areas

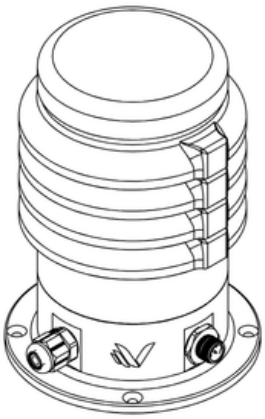
- Solar Power Plants
- Wind Power Plants
- Meteorological Applications
- Agricultural and Greenhouse
- Industrial Applications
- Maritime and Ports
- Forest Regions
- Highway Applications

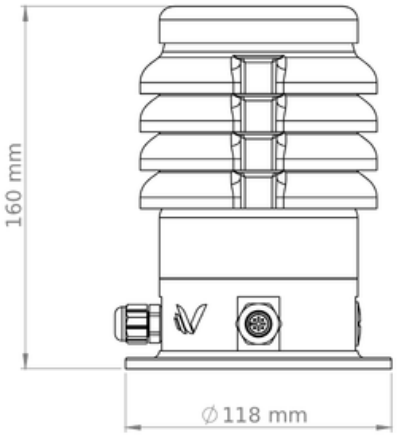
Electrical Specifications	
Measurement Range	: 0 ~ 100%RH
Resolution	: 0.1°
Truth	: ±1.0 % RH
Temperature Accuracy	: 0.1 °C
Temperature Response Time	: 2 sn
Measurement Principle	: Capacitive
Connection Output	: Modbus RTU RS-485
Supply Voltage	: 9-48 V DC
Current Consumption	: 10 mA @24 VDC

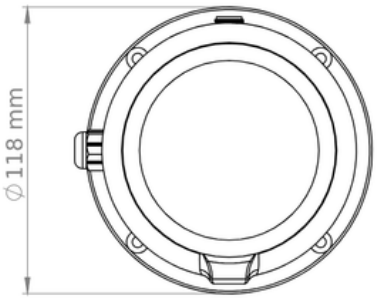
Mechanical Specifications	
Dimensions	: Ø118 x 160 mm
Protective Case	: Aluminum
Ladle	: ASA
Protection	: IP 65

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

Technical Specifications







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