Product Name : Analog 4-20 mA Relative Humidity Sensor

Product Code : RHS-AN

Overview

Humidity sensors based on capacitive, resistive, or thermal technologies convert changes in air moisture into electrical signals. When connected to microcontrollers or data loggers, they provide a proportional conversion of instantaneous voltage to current, ensuring reliable delivery of real-time humidity data to the system.



Application Areas

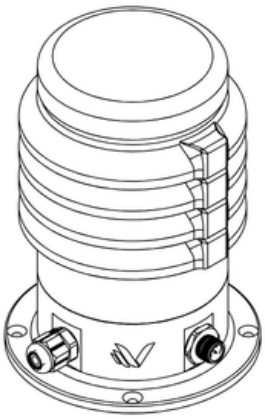
- Solar Power Plants
- Wind Power Plants
- Meteorological Applications
- Agricultural and Greenhouse
- Industrial Applications
- Maritime and Ports
- Forest Regions
- Highway Applications

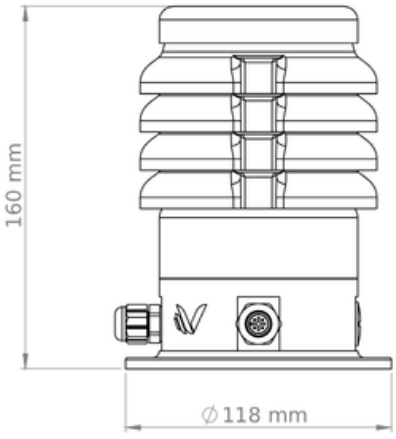
Electrical Specifications	
Measurement Range	: 0 ~ 100%RH
Resolution	: 0.1°
Truth	: ±1.0 % RH
Temperature Accuracy	: 0.1 °C
Temperature Response Time	: 2 sn
Measurement Principle	: Capacitive
Connection Output	: Analog 4-20 mA
Supply Voltage	: 9-48 V DC
Current Consumption	: 25 mA @24 VDC

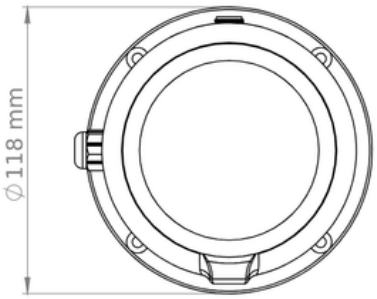
Mechanical Specifications	
Dimensions	: Ø118 x 160 mm
Protective Case	: Aluminum
Ladle	: ASA
Protection	: IP 65

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

Technical Specifications







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