Modbus RTU Ambient Temperature Sensor Datasheet

Product Name : Modbus RTU Ambient Temperature Sensor

Product Code : ATS-MB



Overview

It is housed within a structure protected by a radiation shield that does not affect measurement accuracy under environmental conditions. Temperature values can be transmitted over long distances via the Modbus RTU RS-485 output, allowing direct connection to control systems.

Application Areas

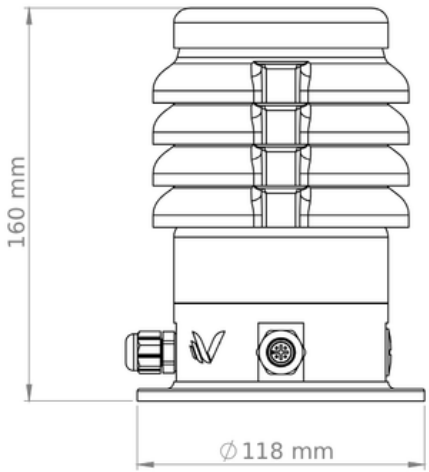
- Solar Power Plants
- Wind Power Plants
- Meteorological Applications
- Agricultural and Greenhouse
- Industrial Applications
- Maritime and Ports
- Forest Regions
- Highway Applications

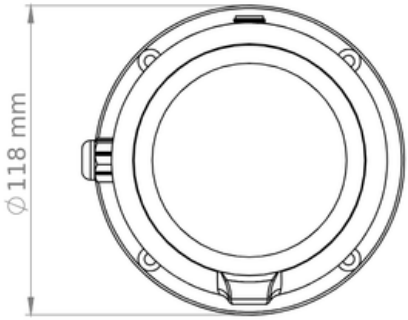
Electrical Specifications	
Sensor Feature	: RTD
Temp. Measurement Range	: -40 ~ +85°C
Resolution	: 0.1 °C
Temperature Coefficient	: 3850 ppm/K
Tolerance	: F 0.1 (Class 1/10 B)
Connection Output	: Modbus RTU RS-485
Supply Voltage	: 9-48 V DC
Measured Current	: 0.1 ~ 0.3mA
Current Consumption	: 10 mA @24 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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