Analog 4-20 mA Ambient Temperature Sensor Datasheet

Product Name : Analog 4-20 mA Ambient Temperature Sensor

Product Code : ATS-AN

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 analog 4–20 mA output, allowing direct connection to control systems.



Application Areas

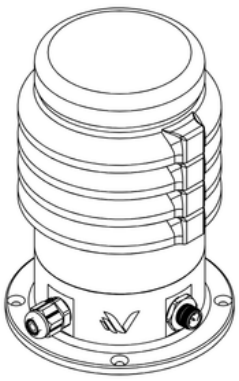
- Solar Power Plants
- Wind Power Plants
- Meteorological Applications
- Agricultural and Greenhouse
- Industrial Applications
- Maritime and Ports
- Forest Regions
- Highway Applications

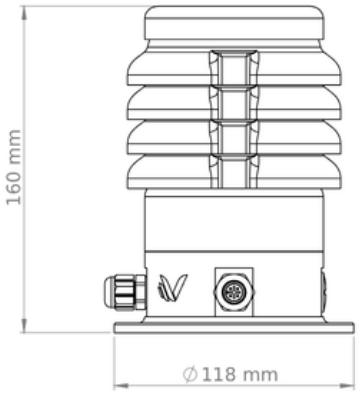
Electrical Specifications	
Sensor Feature	: RTD
Temp. Measurement Range	: -40 ~ +85°C
Resolution	: 0.1 °C
Temperature Coefficient	: 3850 ppm/K
Tolerance	: F 0.1 (Class 1/10 B)
Cell Temperature Measurement Range	: –40…+100°C (PT1000 Class 1/10 DINB)
Connection Output	: Analog 4-20 mA
Supply Voltage	: 9-48 V DC
Measured Current	: 0.1 ~ 0.3mA
Current Consumption	: 10 mA @24 VDC

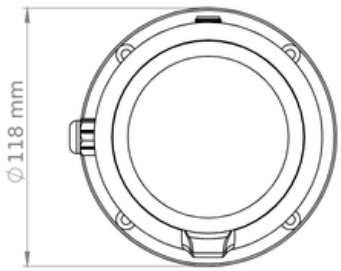
Mechanical Specifications	
Dimensions	: Ø118 x 160 mm
Protective Case	: Aluminum
Ladle	: ASA
Protection	: IP 65

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

Technical Specifications







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