

ATS-MB

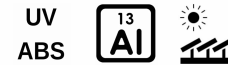
Accurate Ambient Temperature

Compatible with dataloggers



Overview

Ambient temperature sensors manufactured by VSIAS under brand Visionsen, is an ambient temperature that measures ambient temperature only. This sensor, next generation of air temperature measurement sensors, meeting all relevant World Meteorological Organization (WMO) temperature recommendations.



Application Areas

Solar Power Plants

Professional meteorological application

Wind turbines

Ship weather station

Environmental measurement technology

Industrial applications

Specifications

Electrical Specifications

Sensor Description	Platinum Resistance
Temperature Measurement Range	-30°C ~ 70°C
Resolution	Three decimal places (0.001°C)
Temperature Coefficient	3850 ppm/K
Tolerance	F 0.1 (Class 1/10 B)
Supply Voltage	9-28 VDC
Power Consumption	20mA @24VDC
Measuring Current	0.1 to 0.3mA
Protocol and Connection Output	Modbus RTU-RS485

Mechanical Specifications

Dimensions	142xØ104mm
Housing	UV ABS
Protection Class	IP65

Cable and Connection Specifications

Cable Description	3m Cable
White	Power +
Black	Power -
Blue	Data +
Brown	Data -

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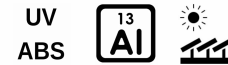
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Temperature Measurement Range	-30°C ~ 70°C
Resolution	Three decimal places (0.001°C)
Temperature Coefficient	3850 ppm/K
Tolerance	F 0.1 (Class 1/10 B)
Supply Voltage	9-28 VDC
Power Consumption	20mA @24VDC
Measuring Current	0.1 to 0.3mA
Protocol and Connection Output	Analog - 4-20mA

Mechanical Specifications

Dimensions	142xØ104mm
Housing	UV ABS
Protection Class	IP65

Cable and Connection Specifications

Cable Description	3m Cable
White	Power +
Black	Power -
Blue	Data +
Brown	Data -