ACC-SEN-ATH

Wildeye Environmental Temperature & Humidity Sensor

PART NUMBER **P51269**



Key features

- Measures air temperature and relative humidity in one compact sensor
- Digital SDI-12 output (v1.3) for direct connection to Wildeye dataloggers
- Full 0–100% humidity range
- Stainless steel mesh protects the measuring element
- Measuring chip can be replaced on site, with no gap in the data record

Overview

The ACC-SEN-ATH is a compact air temperature and relative humidity sensor. It has a digital SDI-12 output and connects directly to the NACS input on Wildeye dataloggers. It measures air temperature from –40 to 60 °C with an accuracy of 0.15 °C, and relative humidity from 0 to 100% with an accuracy of ±2%.

You can replace the measuring chip on site. You don't need to remove the sensor, and the data record isn't interrupted. This costs less than sending the sensor away for cleaning and recalibration.

> For accurate outdoor readings, mount the sensor in a radiation shield (ACC-SHIELD-ATH), sold separately. The shield keeps off direct sun and weather and still lets air flow over the sensor.

Specifications

Measurement

Measured variables	Air temperature (°C,°F), relative humidity (%)
Temperature range	–40 to 60 °C
Temperature accuracy	±0.15 °C
Humidity range	0 to 100% RH

Humidity accuracy	±2% RH

Physical

Operating temperature	–40 to 80 °C
Sensing element protection	Stainless steel mesh
Dimensions	(Ø × L) 20 × 92 mm
Weight	26 g

Connection

Connector	M12 male, 5 position
Cable length	1m

PIN	WIRE COLOUR	FUNCTION
1	Brown	V+
2	White	SDI12
3	Blue	N/C
4	Black	GND
5	Grey	N/C

Compatibility

Compatible loggers	Wildeye -NACS plug
Power draw	2.5mA @ 12V
Mywildeye.com Add Sensor template	ACC-SEN-ATH
Add Sensor QR	Use this QR code in the Wildeye App to add this sensor
Spare parts	Replacement humidity sensor chip - ACC-SEN-ATH-CHIP.