AS10 NMEA 2000 3-in-1 Environmental Sensor | Maritec Solutions

FEATURES

Air Temperature, Humidity, and Barometric Pressure

FEATURES (CONTINUE)

High measurement accuracy: ±0.5 °C (temperature), ±3% RH (humidity), ±1 hPa (pressure)

Designed for indoor use on boats and yachts, with marine-grade durability and reliability

Accurate and stable environmental monitoring in a single compact device

Simple plug-and-play installation via standard NMEA 2000 connection

Outputs standard NMEA 2000 PGNs for seamless network integration

Powered directly from the NMEA 2000 network (no external power required)

Low power consumption, ideal for continuous onboard operation

Compact, rugged design suitable for space-constrained applications

PRODUCT OVERVIEW

The AS10 is a compact, high-precision environmental sensor purpose-built for seamless integration into any NMEA 2000 network. Designed with durability and simplicity in mind, it connects directly via an integrated 1-metre drop cable and draws power from the network—no additional wiring required.

Delivering real-time measurements of air temperature, humidity, and barometric pressure, the AS10 translates environmental conditions into standard NMEA 2000 PGNs. This information can be utilised by a wide range of onboard systems, including chart plotters, and multi-function displays (MFDs), helping users to make informed decisions and improve situational awareness at sea.

With a precision of ±0.5 °C for temperature, ±3% RH for humidity, and ±1 hPa for barometric pressure, the AS10 offers reliable performance across a broad measurement range. Whether navigating changing weather patterns or optimising onboard climate monitoring, the AS10 delivers essential data in a compact, all-in-one device.

Tested in demanding marine environments, the AS10 is built to withstand the elements and operate reliably in challenging conditions—giving boaters confidence, accuracy, and control, wherever their journey takes them.

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SPECIFICATIONS

DC Supply	12.0V (+/-10%), drain power from NMEA 2000 bus
Average Supply Current	4 mA
Data Output Frequency	1 Hz
NMEA 2000 Compatible	Yes
N2K LEN	1
Output NMEA 2000 PGNs	PGN130311 (Environmental Parameters) PGN130312 (Temperature) PGN130313 (Humidity) PGN130314 (Barometric Air Pressure) PGN130316 (Temperature, Extended Range)
Cable Length NMEA 2000	1 meter
Temperature Range	40°C ~ +85°C, ±0.5°C
Humidity Range	0% ~ 100% RH, ±3% RH
Barometric Pressure Rane	300 ~ 1100 hPa,±1hPa
Sensor Body Dimensions	112mm x Ø14mm

SENSOR BODY DIMENSIONS

Specifications and features may change without prior notice.