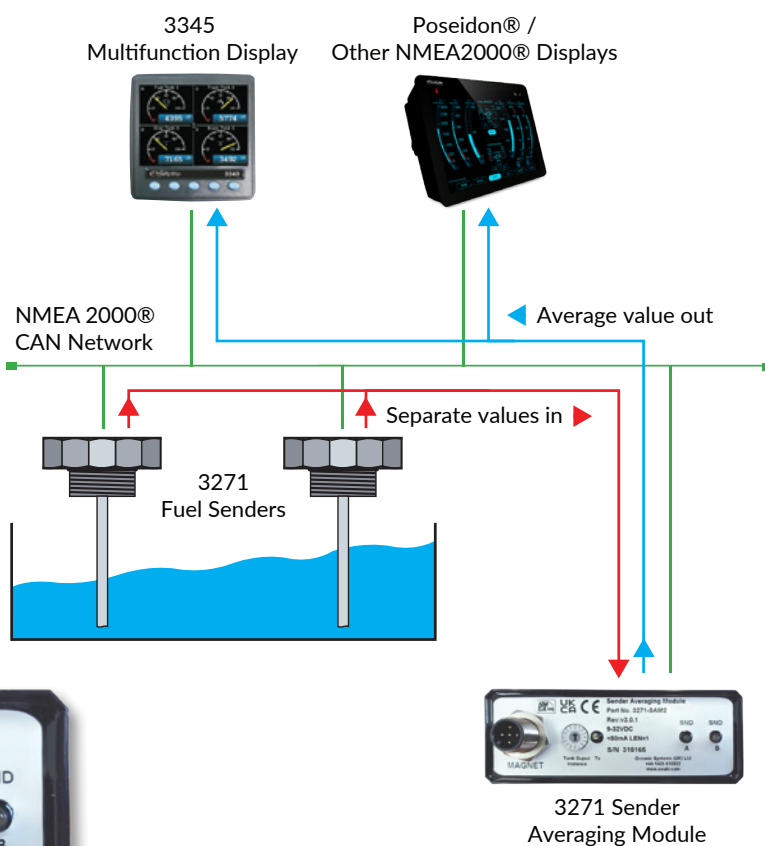


NMEA2000® SENDER AVERAGING MODULE

FEATURES

- ◆ Maintains accurate tank level displays for long tanks when the boat is moving or stopped
- ◆ Calculates the average of 2 x 3271 Fuel Tank Senders
- ◆ High accuracy
- ◆ Robust ABS construction sealed to IP67
- ◆ Easy to install - just plug on network
- ◆ Switch settable device instance
- ◆ No complicated menu setups required
- ◆ NMEA2000® certified



The Oceanic Systems' 3271-SAM2 Sender Averaging Module solves the problem of inaccurate tank level gauge readings caused by the tank contents moving to the aft of a long tank when the boat is in a bows up attitude whilst under power.

The module calculates a mathematical average of two tank senders mounted in the tank and outputs that result in a standard tank level PGN 127505 so that all attached displays display the average value of the tank level.

The unit is designed to greatly simplify installation with NO user setup or calibration required and NO display menus to struggle through. Simply set the device instance switch on the front of

the unit to the required tank instance and the unit takes care of everything else.

The 3271-SAM2 signals if either sender is missing or has detected water in the tank so that the user can be confident of the quality of the readings.

It is fully waterproof to IP67 and ruggedly constructed in ABS for years of reliable and accurate service.

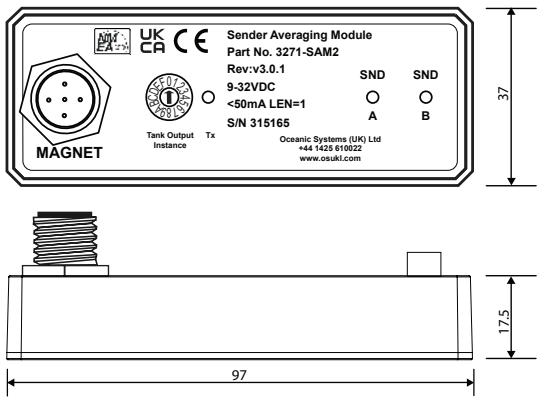
The unit comes with a detailed user manual and is certified to the NMEA2000 network standard.

NMEA2000® SENDER AVERAGING MODULE

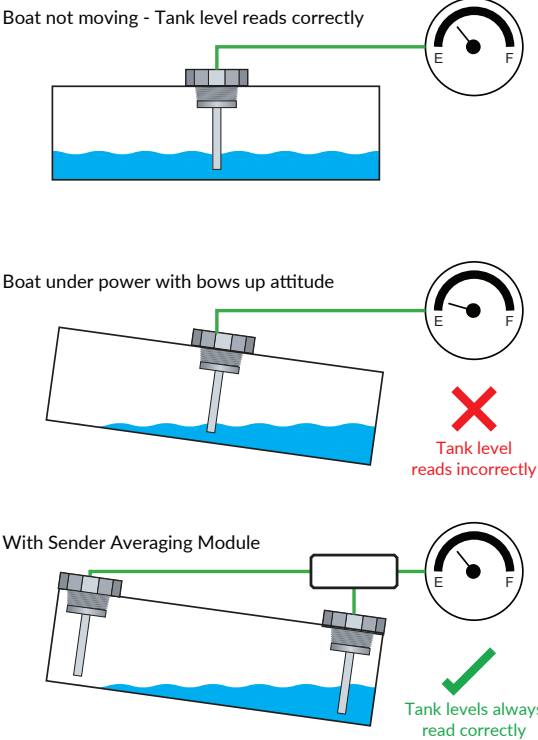
Part Number: 3271-SAM2



Dimensions



Function



Design Standard

NMEA2000	Level B
Maritime Nav & RadioComm	IEC60945
CE & FCC	Electromagnetic Compatibility

NMEA2000 Parameter Group Numbers (PGNs)

Type	PGN No.	PGN Name
Monitor	PGN127505	Fluid Level
Protocol	PGN126464	Tx/Rx PGN List
	PGN126996	Product Information
	PGN059392	ISO Acknowledge
	PGN059904	ISO Request
	PGN060928	ISO Address Claim
	PGN126208	Command/Request Group

Electrical and Mechanical

Parameter	Value
Operating Voltage	9 to 32 VDC
Power Consumption	<50mA
Load Equivalence Number	1
Reverse Battery Protection	Indefinitely
Load Dump Protection	Yes to SAE J1113
Size	97 x 37 x 17.5mm
Weight	140g

Environmental

Parameter	Value
IEC60954 Classification	Exposed
Degree of Protection	IP67
Operating Temperature	-25°C to 50°C
Storage Temperature	-40°C to 70°C
Relative Humidity	93%RH @40° per IEC60945-8.2
Electromagnetic Emission	Conducted/Radiated per IEC60945-9
Electromagnetic Immunity	Conducted/Radiated per IEC60945-10

Oceanic Systems is a brand of:

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Our policy is one of continuous product improvement, therefore product specifications are subject to change without notice. Oceanic Systems products are designed to be accurate and reliable. However, they should be used only as aids to vessel monitoring, and not as a replacement for traditional navigation and vessel monitoring techniques.

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