

## NMEA2000® Tank Sender Adaptor



- High  $\pm 1\%$  Accuracy
- Low cost
- Suits 0-180 and 240-30 Ohm Senders
- Fuel, Freshwater, Wastewater, Oil,
- Live Well or Blackwater
- Up to 16 tanks of each type
- Robust ABS Construction  
sealed to IP67
- Easy to Install
- Simple switch setup with no extra  
display required
- Under 50mA Power Usage

The 3125 NMEA2000® Tank Sender Adaptor allows a standard resistive tank level sender to connect to the NMEA2000® network.

It is compatible with both European standard 0-180 Ohm and United States standard 240-30 Ohm tank level senders and is accurate to  $\pm 1\%$ .

It is easily configurable to resistive senders from Fuel, Freshwater, Wastewater, Live Well, Oil and Blackwater (Sewage) tanks linking them to the NMEA2000® network. It supports up to 16 tanks of each type on a single network.

The unit is simply setup with two small rotary switches and does NOT need any external display unit to do this.

The Tank Sender Adaptor is robustly constructed to the IEC60945 Maritime Navigational and Radiocommunications Equipment Standard to ensure high reliability and trouble free operation for many years.

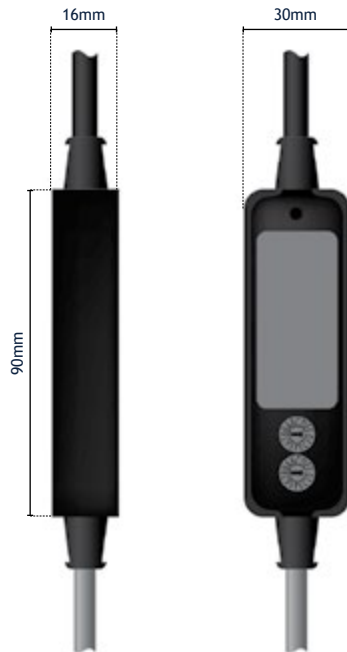
It is certified to the NMEA2000® network standard and attaches to the network using a single "Micro" plug. It draws less than 50mA from the network.



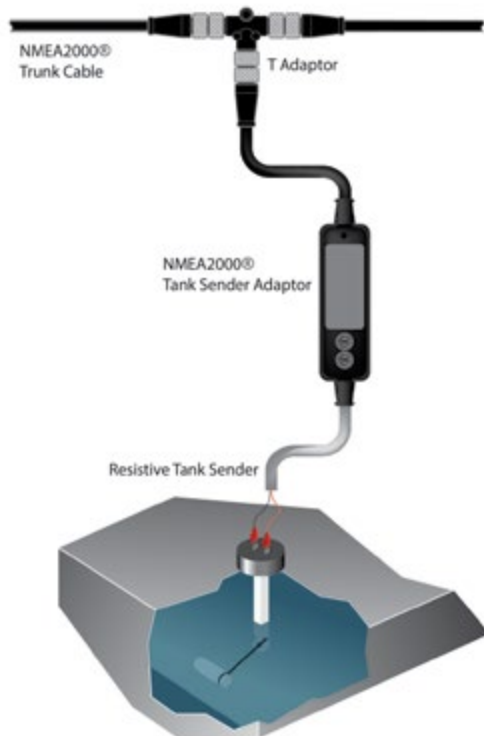
# NMEA2000® Tank Sender Adaptor

## Part No: 3125

### Unit Dimensions



### Unit Wiring



Specification	
Sender Resistance	0-180 Ohm (European Standard) and 240-30 Ohm (American Standard)
Accuracy	±1% (Limited by sender accuracy)
Tank Contents	Fuel, Freshwater, Wastewater, Live Well, Oil and Blackwater (Sewage)
Tank Instances	up to 16 instances of each tank type
Certification	
NMEA2000	Level B+
Maritime Navigation and Radio Communication Equipment	IEC60945
CE Mark and FCC	Electromagnetic Compatibility
NMEA PGNs	
Periodic	PGN 127505 Fluid Level
Requestable	PGN 126996 Product Information
Protocol	PGN 059392 ISO Acknowledge PGN 059904 ISO Request PGN 060928 ISO Address Claim PGN 065240 ISO Address Command PGN 126208 Complex Request Group
Electrical	
Operating Voltage	9 - 32 Volts DC from NMEA network
Power	<50mA
Load Equivalence	1 LEN
Reverse Battery	Protected
Load Dump	Protected
Mechanical	
Body Size	87mm x 27mm x 16mm
Weight	175 grams
Mounting	In cable harness
Environmental	
IEC Classification	Protected
Protection	IP67
Operating Temp	-20°C to 50°C
Storage Temp	-50°C to 70°C
Relative Humidity	93% RH @ 40°C per IEC60945-8.2
Vibration	2-13.2Hz @ ±1mm, 13.2-100Hz @ 7m/s <sup>2</sup> per IEC 60945-8.7
EMC Emission	Conducted & Radiated per IEC60945-9

Offshore Systems (UK) Ltd  
Unit 10-11 Milton Business Centre, Wick Drive,  
New Milton, Hampshire, BH25 6RH, United Kingdom

Tel: +44(0)1425 610022 Fax: +44(0)1425 614794  
Email: sales@osukl.com Web: www.osukl.com

Copyright © 2013 Offshore Systems (UK) Ltd. All rights reserved. Our policy is one of continuous product improvement so product specifications are subject to change without notice. Offshore 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.

NMEA2000® is a registered trademark of the National Marine Electronics Association.