


# NMEA2000®
# FUEL SENDER TO RESISTIVE OUTPUT ADAPTOR

## FEATURES

- Converts NMEA2000® Fuel Sender to a resistive output
- Connects to Volvo and other engine ECU tank level inputs
- Single sender for general MFDs and Engine Instruments
- Removes need for multiple senders in a fuel tank
- Easy to install
- Robust IP67 construction




The 3130 NMEA2000® Fuel Sender to Resistive Output Adaptor allows a NMEA2000® sender to display on general MFDs and on the engine instruments display.

This easy to install adaptor simply connects from the NMEA2000® network to the resistive input connection on the engine ECU. The fuel level will show identically on both displays without needing a second resistive fuel sender in the tank. This saves a considerable amount of installation time and cost.

Oceanic Systems (UK) Ltd has designed the 3130 Adaptor at the request of a number of boat builders who wanted to avoid multiple senders in each fuel tank to make the system more reliable and lower cost.

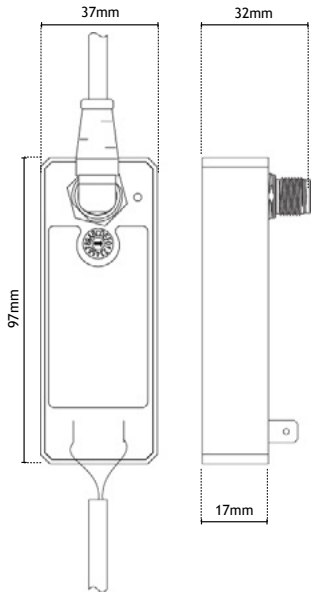
This unit is robustly constructed to the IEC60945 Maritime Navigational and Radiocommunications Equipment Standard to ensure high reliability and trouble free operation for many years.

It is manufactured to the NMEA2000® network standard and attaches to the network using a single “Micro” plug. It draws less than 50mA from the network and is waterproof to IP67.

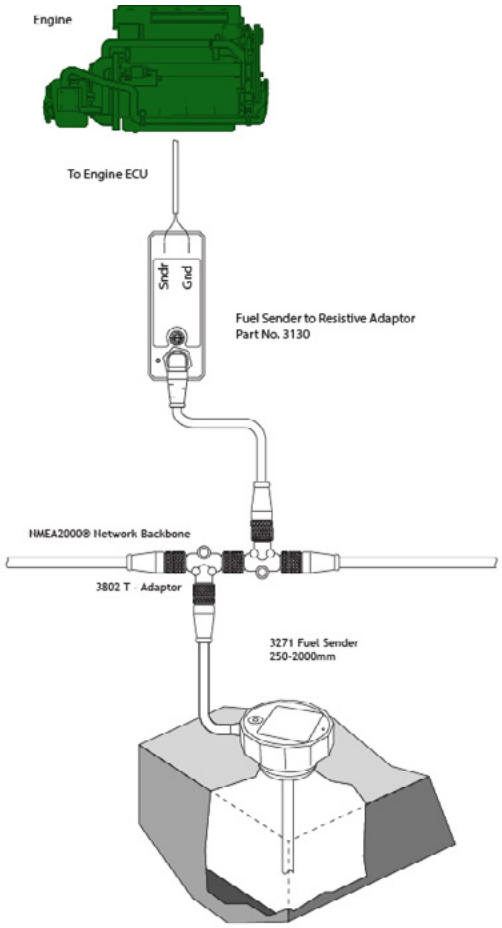
# NMEA2000® FUEL SENDER TO RESISTIVE OUTPUT ADAPTOR

## Part Number 3130

### Dimensions




### Unit Wiring




### Specification

| | |
|---|---|
| Output | 0-180 Ohm (European Standard) |
| Accuracy | ±1% |
| Tank Contents | Fuel |
| Tank Instances | up to 14 instances of each tank type |

### Certification

| | |
|---|---|
| NMEA2000 | Compliant |
| Maritime Navigation and Radio Communication Equipment | IEC60945 |
| CE Mark and FCC | Electromagnetic Compatibility |

### NMEA PGNs

| Type | PGN No. | PGN Name |
|---|---|---|
| Periodic | PGN127505 | Fluid Level |
| Requested | PGN126996 | Product Info |
| Protocol | PGN059392 | ISO Acknowledge |
| | PGN059904 | ISO Request |
| | PGN060928 | ISO Address Claim |
| | PGN065240 | ISO Address Command |
| | PGN126208 | Complex Request Group |

### Electrical

| | |
|---|---|
| Operating Voltage | 9-32 VDC from NMEA network |
| Power | <50mA |
| Load Equivalence | 1 LEN |
| Reverse Battery | Protected |
| Load Dump | Protected |

### Mechanical

| | |
|---|---|
| Body Size | 97mm x 37mm x 32mm |
| Weight | 110 grams |
| Mounting | In cable harness |

### Electrical

| | |
|---|---|
| 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/s² per IEC 60945-8.7 |
| EMC Emission | Conducted & Radiated per IEC60945-9 |

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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.

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