



NMEA2000[®] VDO Resistive Gauge Driver



- **Drives VDO Resistive Analogue Tank Level Gauges directly from NMEA2000[®]**
- **Supports Fuel, Fresh Water, Grey Water and Black Water Gauges**
- **Tank Instance Selectable**
- **Drives European 0-180 Ohm and American 230-30 Ohm gauges**
- **12 or 24 Volt systems**
- **Drives alarm indicator bulb in gauge**
- **Easy to Install with single plug to NMEA2000[®] network and single cable to gauge**
- **Rugged IP67 waterproof Construction**

The NMEA2000[®] Resistive Gauge Driver drives existing resistive analogue tank level gauges directly from the NMEA2000[®] network.

The unit is switch selectable to support Fuel, Fresh Water, Grey Water or Black Water gauges. A second switch allows the user to choose which of up to 16 tanks of each type are to be displayed. No complicated software menu setups on a central display and no calibration required!

This unit can drive VDO European Standard 0-180 Ohm and VDO US Standard 230-30 Ohm gauges in both 12 and 24 volt installations.

The Resistive Gauge Driver can also light the level alarm indicator bulb in the gauge when the fuel or fresh water level falls below 20% or the waste or black water tanks exceeds 80% of the tank level.

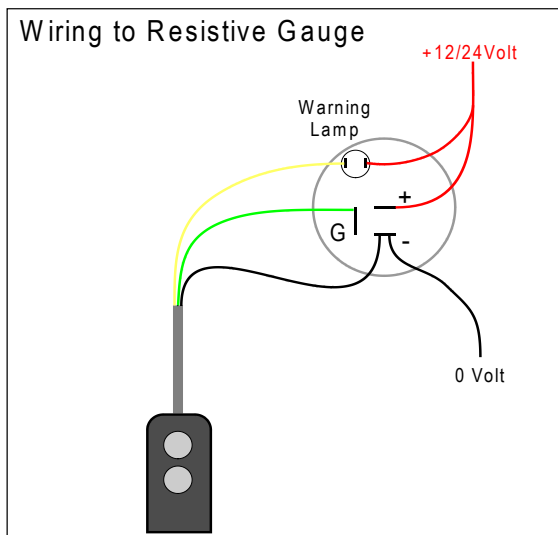
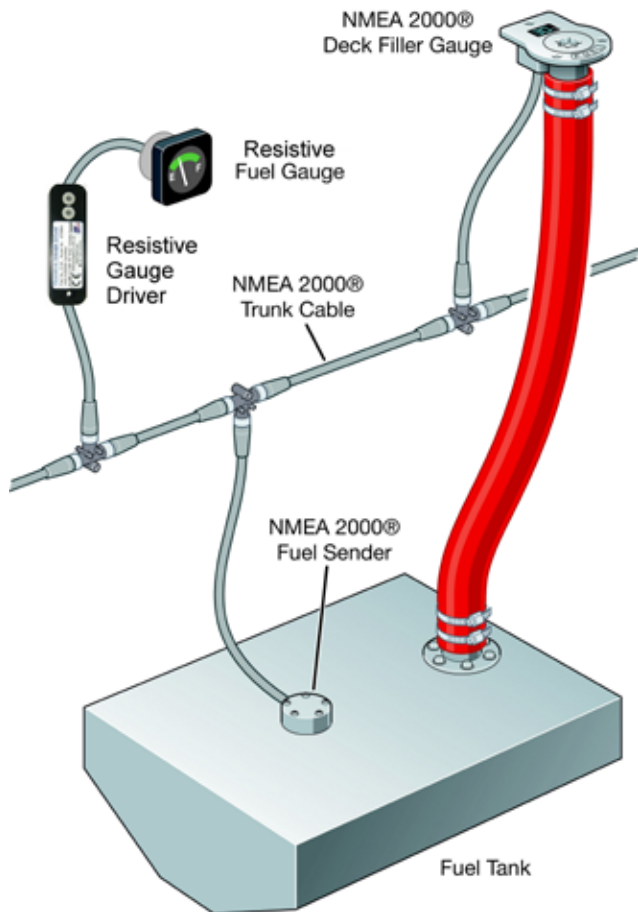
It is easy to install with a single plug to the NMEA2000[®] network and a single cable to the gauge.

It is rugged and environmentally protected to IP67.

It works with the NMEA2000[®] network standard and draws less than 50mA from the network.

NMEA2000® VDO Resistive Gauge Driver Part Number 3135

Typical Usage Diagram



The inclusion of any vessels in any picture does not infer that their manufacturer endorses this product. Our policy is one of continuous product improvement so product specifications are subject to change without notice. Our products are designed to be accurate and reliable, however, they should only be used as aids to the safe management of the boat and not as a replacement for traditional aids and techniques.

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Specification	
Display Accuracy	± 1% plus the accuracy of the analogue gauge (typically ±5%)
Gauge Types	0-180 Ohms European Standard 240-30 Ohms US Standard
Gauge Voltages	12 or 24 Volt
Certification	
NMEA2000	Level B
Maritime Navigation and Radiocommunication Equipment	Tested to IEC 60945
CE Mark and FCC	Electromagnetic Compatibility
NMEA PGNs	
Periodic	PGN127505 Fluid Level
Requested	PGN126996 Product Info
Protocol	PGN059392 ISO Acknowledge PGN059904 ISO Request PGN060928 ISO Address Claim PGN065240 ISO Address Cmd PGN126208 Complex Request
Electrical	
NMEA Operating Voltage	9 - 16 Volts DC
Power Consumption	<50mA
Load Equivalence	1 LEN
Reverse Battery	Protected
Load Dump	Protected
Mechanical	
Size	87mm Long 27mm Wide 16mm Deep
NMEA2000 Cable Length	1 Metre with male micro plug
Gauge Cable Length	0.5 Metre
Weight	Approx 190 gms
Mounting	In cable harness
Environmental	
IEC 60954 Classification	Exposed
Protection	IP65
Operating Temperature	-25C to +55C
Storage Temperature	-40C to +70C
Relative Humidity	93%RH@40C per IEC60945-8.2
Corrosion - Salt mist	As per IEC 60945-8.12
Electromagnetic Emission	Conducted and Radiated as per IEC 60945-9
Electromagnetic Immunity	Conducted, Radiated, Supply and ESD per IEC 60945-10

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