

NMEA2000® Deck Gauge

Part Number: 5250-F, 5250-W

INSTALLATION AND OPERATING INSTRUCTIONS



The information in this document corresponds to software revision V1.00

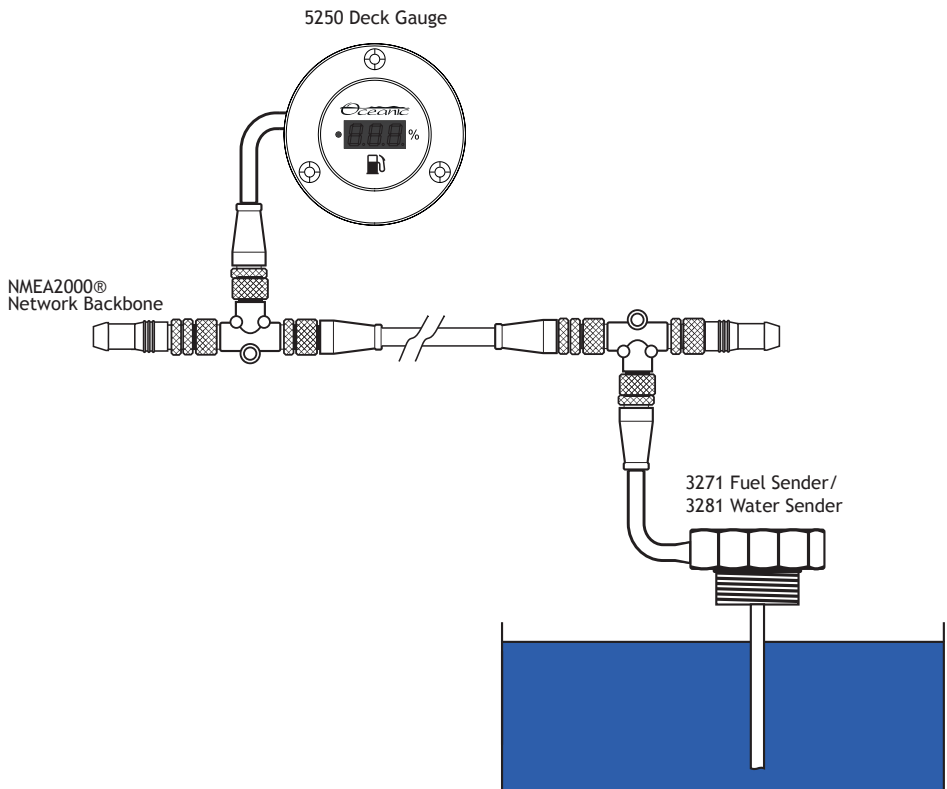
INTRODUCTION

The 5250-F and 5250-W Deck Gauges are designed to display the contents of the tank at deck level near the tank filler to avoid over filling and spillages.

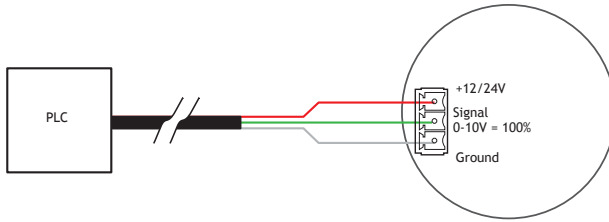
The unit has a 3 character blue digital LED display that shows the tank level as a percentage from 0 - 100%. Inbuilt light sensor adjusts the brightness of the display to be fully and easily readable in direct sunlight, as well as dimmed at night to preserve night vision.

The 5250 is designed to be used on EITHER NMEA2000® networks or to be voltage driven by PLC based systems.

NMEA2000® network example



PLC network example



SAFETY INSTRUCTIONS

This unit should only be installed by a person competent and experienced in working on electrical systems on boats. Before beginning the work the battery should be disconnected to avoid the risk of a short circuit, fire or explosion. Before drilling any holes to mount the unit or run the cabling always make sure it is safe to do so.

LOCATION AND INSTALLATION

The 5250 Deck Gauge should be mounted horizontally or vertically near the tank filler cap, so that it can be seen easily during the tank filling operation. Supplied in the box is a full size mounting template showing the external dimensions, the mounting hole sizes and their positions to simplify mounting. The three mounting holes in the bezel are designed to fit suitable M4 countersunk or self-tapping screws.

To connect to the NMEA2000® network use a NMEA2000® drop cable to connect from the male M12 plug on the rear of the unit to the nearest Tee connector.

To connect to a voltage feed from a PLC system or similar connect a three core cable from the connector block on the rear of the unit to the voltage source as follows:

(Illustration of the rear of the unit showing three core cable connected to the connecting block to ground, +12/24 Volts and signal from 0-10 Volts)

Please note that the unit must be connected to **EITHER** the NMEA2000® network **OR** the PLC source. **DO NOT CONNECT** the unit to both sources at the same time.

CALIBRATION AND SETUP

No calibration is required. Simply set the small rotary switch to the tank instance of the tank to be monitored in the table below or set to 'F' if the unit is to be used with a PLC input and it will automatically display the tank level percentage.

Switch	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
Instance	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	PLC Mode

TROUBLESHOOTINGS

Symptom	Troubleshooting Procedure
No display	NMEA2000® Check that the unit is connected to the NMEA2000® network securely and that the network is powered correctly. PLC: Check that the three connections to the connecting block are correctly and securely fastened. Check that there is a 12 or 24 power feed connected.
“NO INPUT” displayed	NMEA2000® There is no tank data on the network that matches the 5250 tank type and device instance switch position.
Level does not reach 0% in analogue mode	Ensure that the signal voltage reaches 0v for the sense input. Do not attempt to use an external pull-down resistor , as this will affect the internal calibration circuitry of the device.

TECHNICAL SUPPORT

If you require technical support for any Oceanic Systems' products you can reach us using any of the following ways:

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- Fax: +44(0)1425 614794
- Email: support@osukl.com
- Web: www.osukl.com
- Post: Oceanic Systems (UK) Ltd
Unit 11 Milton Business Centre
Wick Drive, New Milton, BH25 6RH
United Kingdom

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