

NMEA2000® MULTIFUNCTION DISPLAY

Provides colour display for all the following devices on an NMEA2000® network:

- ◆ Up to 16 fuel tanks
- ◆ Up to 16 fresh water tanks
- ◆ Up to 16 grey water tanks
- ◆ Up to 16 black water tanks
- ◆ Up to 16 oil tanks
- ◆ Up to 16 DC sources such as battery banks, solar cells and wind generators
- ◆ Up to 16 AC Sources such as generators, shore power and AC bus bars
- ◆ Compact and robust design
- ◆ User selected displays
- ◆ Low cost
- ◆ NMEA2000® certified



The Oceanic Systems' 3345 Colour MultiFunction Display, provides a compact and flexible solution to display all the ships tanks, DC sources and AC sources on a single sunlight readable bright colour display.

The 3345 is simply connected to the NMEA2000® network with a single cable. All of the NMEA2000® tank senders, battery monitors and AC source monitors will display their information on the multi page display.

It has a high resolution sunlight readable colour display in a compact 95mm square rugged format. No need to have larger cumbersome separate displays for all these functions any more.

The display screens are user selectable so that the user can mix the tank sender display to suit their requirements, allowing them to choose different tank types on each page, of a multipage tank display.

Each tank sender, DC source monitor and AC source monitor can have a user selectable descriptive name to make identification easier.

Each tank display will show tank level and tank volume where this information is available (i.e. from Oceanic Systems' tank senders)

It is certified to the NMEA2000® network standard and draws just 200mA current from the network.

It comes with a detailed user manual that identifies what NMEA2000® data can be displayed and how to select that data.

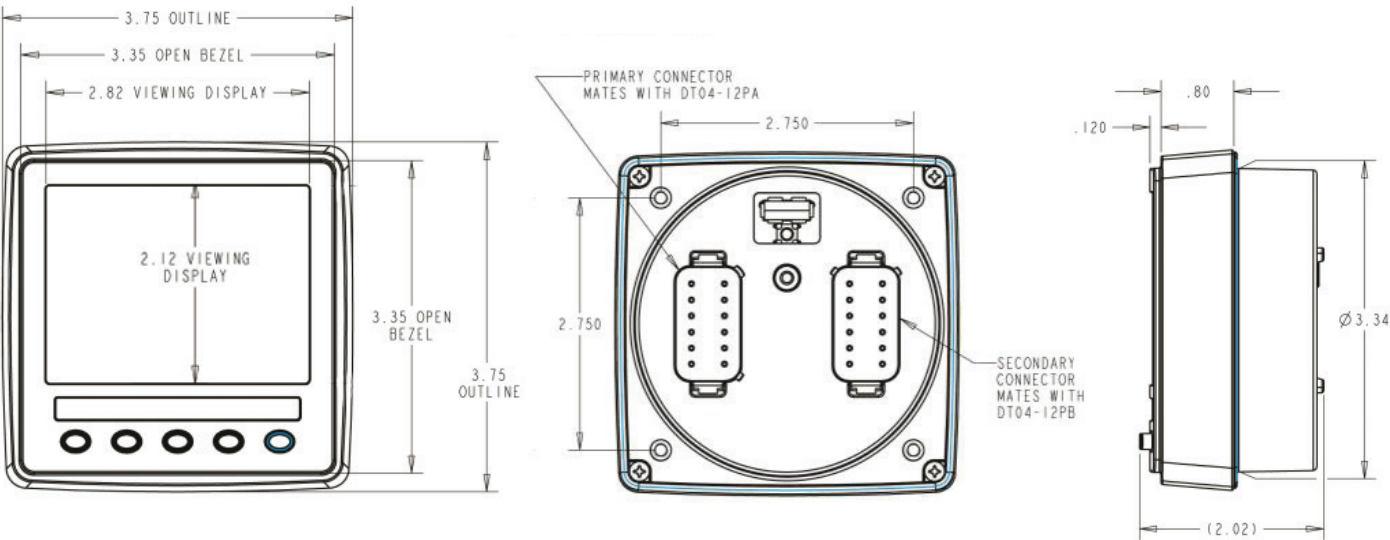
The 3345 is simple, powerful, reliable and very easy to install and use.

NMEA2000® MULTIFUNCTION DISPLAY

Part Number: 3345



Dimensions



Design Standard

NMEA2000	Level B+
Maritime Nav and RadioComm Equipment	IEC60945
CE and FCC	Electromagnetic Compatibility

NMEA2000 Parameter Group Numbers (PGNs)

Source	Max. No.	PGN No.	PGN Name
Fuel Tanks	16	PGN127505	Fluid Level
Fresh Water Tanks	16		
Grey Water Tanks	16		
Black Water Tanks	16		
Oil Tanks	16		
DC Sources/ Battery Banks	16	PGN127507	Battery Status
		PGN127508	DC Detailed Status
AC Monitors	16	PGN127744	AC Power Phases A,B,C
		PGN127745	
		PGN127746	
		PGN127747	AC Voltage/Freq Phases A,B,C
		PGN127748	
		PGN127749	

Electrical and Mechanical

Parameter	Value
Operating Voltage	10 to 32 VDC
Power Consumption	200mA
Load Equivalence Number	4
Reverse Battery Protection	Indefinitely
Load Dump Protection	Yes to SAE J1113
Size	95mm x 95mm x 23mm
Weight	160g

Environmental

Parameter	Value
IEC60954 Classification	Exposed
Degree of Protection	IP67
Operating Temperature	-20°C to 70°C
Storage Temperature	-30°C to 80°C
Relative Humidity	93%RH @40°C per IEC60945-8.2
Electromagnetic Emission	Conducted and Radiated Emission per IEC60945-9
Electromagnetic Immunity	Conducted, Radiated, Supply, and ESD per IEC60945-10

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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