

NFG100 FLUXGATE COMPASS SENSOR

TECHNICAL INSTRUCTION

NFG100 fluxgate compass sensor provides the magnetic heading of the ship. It needs to be installed on the compass bowl. It will output a digital compass heading signal.

NFG100 outputs standard HDT data to be used by anemometer, AIS, ECDIS, Radar, etc.

NFG100 is equipped with a 2.4m cable and two screws.

NFG100 can easily be adhered on the compass bowl or mounted with a bracket (supplied by customer).



SPECIFICATION:

Power supply:	DC+13.8V (DC12~16V)
Resolution:	1°
Data output:	10 transmissions per second, 4800bps \$HDT, \$HDM (conform with IEC61162-1)
Interface:	RS485/422/RS232
Operating Temperature:	-15°C to +55°C
IP grade:	IP67
Size:	φ43x25mm

MOUNTING METHODE:

1. Connect the power wires to DC 13.5V.
2. Put NFG100 on the compass glass or at the bottom and move NFG100 until the indicating data is identical to the compass reading.
3. Remove the sticker cover at the bottom of NFG100. Locate the NFG100 with fine adjusting.
4. Fasten the NFG100.
5. A mount bracket may be used to fix the NFG100. The bracket is not supplied by the manufacturer.

CABLE DESCRIPTION:

RED: DC13.8V **BLACK:** GND **WHITE:** TXA **GREEN:** TXB



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