

Fluxgate compass



Description

The Fluxgate compass is a Transmitting Magnetic Heading Device (TMHD).

Designed for military applications, BEN Marine Fluxgate compass is tested to withstand severe conditions. It includes a sensor and a repeater.

Operation

The Fluxgate compass gives:

- digital followed heading
- digital ordered heading
- followed heading on compass rose
- discrepancy between the ordered heading and the followed heading
- applied damping
- alarms
- setup (maintenance mode)

A battery unit enclosed in the repeater ensures the functioning of the equipment in case of power shortage aboard.

Performances

- Heading range : 0,0 to 359,9°
- Resolution: 0,1°
- Accuracy: +/- 1° after compensation (standard deviation: 65 %) in stable magnetic conditions

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Features

Power

- Power supply: 100 to 242 VAC, 47 to 63Hz
- 45 minutes built-in battery

Sensor

Fluxgate sensor with PCB data processing

- Diameter: 160 mm
- Length: 140 mm
- Weight: 3.7 kg +/- 200g

Repeater

7" (800x480) colour touchscreen with a web-based HMI displaying:

- Height: 164 mm
- Width: 244 mm
- Depth: 92 mm
- Weight: 3.85 kg +/- 200g

Note: all inputs and outputs of the converter are wired on MILDTL 38999 series III connectors.

Standards

- Wheelmark certification in progress (expected in early 2021)
- IEC 61162, IEC 60945

Spare parts

- Battery
- Battery charger

Product references

- NATO code: F7582
- References:
 - Sensor: 111311
 - Repeater: 11450
 - Battery charger: 110796