FULL VERSION MANUAL

100P

Art.no 37186-0101 (MN), 37186-0103 (ME), 37186-0105 (MS)

SILVA MARINE COMPASS 100P

A bulkhead-mounted compass designed for sailboats and yachtsmen that demand absolute accuracy, a steady card in all conditions and high healing angles. It is suitable for mast-mounting thanks to front reading, 30° healing angle and three lubber lines for multi-angle reading. The compass has a main steering scale on the horizontal part and direct reading on the vertical edge - ideal for boats with a sitting as well as a standing helmsman. With its compact size, 100P will fit in most spaces and boats.

PRODUCT OVERVIEW

- For permanent flush mounting - vertical or at sloping angle
- Compensator can be supplied as an optional extra
- Illumination can be supplied as an optional extra
- Permits transverse tilting up to 30°, unlimited tilting fore and aft
- Double scale-top and edge readings
- Suitable for all kinds of boats

The packaging includes:

- Compass unit
- Mounting kit

ILLUMINATION

This compass can be supplied with illumination 12 V. Adaptation to 24V-illumination connected in series by a resistor of 270 ohm, 0.5 W.

POSITIONING

SILVA 100P has many different possibilities of positioning - vertically, horizontally or sloping.

The compass should be positioned where it can be easily read from all angles. Position the compass as far as possible away from iron objects or other disturbing magnetic sources as loud speakers, windscreen wipers, instruments etc.

NB! SILVA's electronic instruments do not disturb the compass.

COMPENSATION AND DEVIATION

Compensation is recommended, if the deviation is more than 5 degrees, when the compass is in its normal mounting position.

If the error is less than 5 degrees, it is sufficient to produce a deviation table.

Adjust by using a compensator (optional extra) and eliminate or at least reduce the errors that iron or other sources of magnetic disturbance may have on the compass.

When compensating, the boat should be in an area that is not affected by permanent- or electromagnetic disturbances.

1. Aim the boat due North and turn the "N/S" screw until the compass reading is 0°.
2. Aim the boat due East and turn the "E/W" screw until the compass reading is 90°.
3. Aim the boat due South. If the compass does not show 180°, turn the "N/S" screw until the error is halved. (E.g. If the error is 6° - turn the screw until the error is 3.1°)
4. Aim the boat due West. If the compass does not show 270°, turn the screw until the error is halved.
5. Go through the procedure again and check the adjusted values.

As the magnetic conditions in a boat are liable to change, we recommend checking of the compass once a year and always after installation of equipment which might affect the compass.

NB! Do not regard the compass as an accurate navigational instrument until the compensation is carried out and the deviation table is produced. Whenever in doubt, please seek the advice of a compass adjuster!

MAINTENANCE

To clean the compass, use a mild soap solution or detergent. Do not use strong solvents, such as spirit, acetone or petroleum. The compass tolerates temperatures down to -30°C. It is advisable not to subject it to severe cold for long periods.

TECHNICAL SPECIFICATIONS

Type of compass: Sailing/bulkhead mount compass
Illumination: Optional
Lubber lines: Yes, centre and side view at 45°
Gimballed cradle: No
Accuracy: ±0.5°
Apparent card diameter: 100 mm.
Compensator: Optional
Card type: Cone
Card graduation: Edge: every 5° Top: every 5°
Heeling angle: Roll: 30° Pitch: 30°
Heeling angle scale: No
Mounting: Bulkhead
Mounting angle: +10° to +110°
Temp operating range: -10°C to +70°C
Storage temperature: -30°C to +70°C
Adjustable cover: No
Material: Acrylic/ABS
Weight: 769 g
Dimensions:

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