FULL VERSION MANUAL

125T

Art.no 37199-0011 (MN), 37199-0013 (ME), 37199-0015 (MS)

SILVA MARINE COMPASS 125T

Our pedestal compass designed for boats and yachtsmen that demand absolute accuracy and a steady card in all conditions and heeling angles. The SILVA 125T compass is suitable for most larger sailing boats and motor yachts and owing to the effective dampening of the compass card, it is the correct choice even for larger speedboats.

The compass permits up to 45° heeling and unlimited tilting fore and aft. The two extra lubber lines at 45° offset permit reading from the rail or an off steering position mounting. The lubber lines are counter-balanced and will remain vertical even in rough seas. All lubber lines are easily read through the patented transparent compass card. A sighting peg from the centre eliminates parallax errors and facilitates off course bearings.

125T has an apparent scale size of 125 mm, a gimballed cradle and the standard 175mm base plate fits most steering pedestals. Further features include the possibility to compensate for magnetic field disturbance and it is also possible to add a heeling compensator. The integrated illumination in the adjustable protection cover offers ideal night vision.

PRODUCT OVERVIEW

The packaging includes:

- Compass unit
- Compensator adjuster
- Mounting kit
- Illumination
- Pedestal
- Soft cover

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

The compass should be positioned where it can be easily read from all angles, even in darkness when illuminated. Position the compass as far as possible away from iron objects or other disturbing magnetic sources as loud speakers, windscreen wipers, instruments etc.
NB! SILVAs electronic instruments do not disturb the compass.

When checking for magnetic disturbance, use an ordinary SILVA handheld compass, held in the fore-and-aft direction around the intended mounting site. In most cases 0.5 to 1 metre between the compass and the source of disturbance will be sufficient. Do not forget to switch on all electrical equipment near the compass when making this check.

MOUNTING

The SILVA 125 comes with a socket Ø 175 mm (7.0") which fits most standard steering systems.

The compass should be mounted on a firm base to prevent oscillation of the card. To avoid engine vibrations a rubber sheet can be placed under the socket.

When mounting on a steering pedestal the base must have a Ø 175 mm (7.0") minimum. If the base is smaller, a teak-or mahogany plate can be mounted on the pedestal as a base for the socket.

1. Loosen the black mounting ring (see fig) .
2. Loosen the 2 screws and lift off the compass.
3. Align the socket exactly in the fore-and-aft direction and fit it to the base with 4 screws of non-magnetic material. The screws should be fitted in the centre of the oval holes in the bottom of the socket to allow for adjustment later. N.B. Mount the socket with the compensation adjuster screws to starboard.
4. Mount the compass and the mounting ring with the lamp body and the lubber line towards the bow.

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.
The compensation is made with the two compensation adjuster screws "E/W" and "N/S" in order to reduce the errors caused by iron objects or other sources of magnetic disturbance.

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 °.)
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.
6. Check the compass every 20 degrees and produce a deviation table and deviation curve.
7. Mark the position of the compass on the base if the compass is removed.

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.

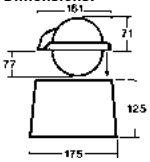
NB! Do not regard the compass as an accurate navigational instrument until the compensation is carried out and the deviation table is produced. Whenever in doubt, please seek the advice of a compass adjuster!

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.

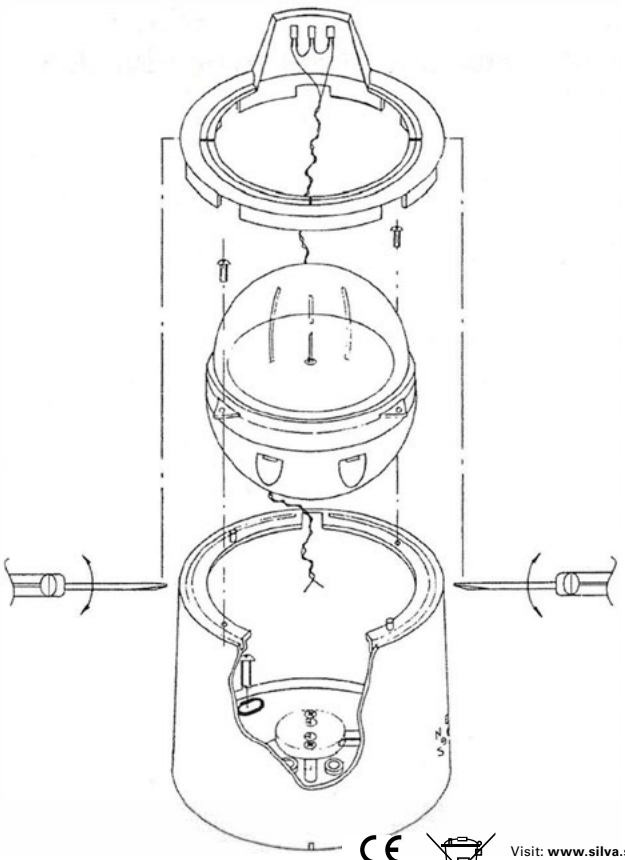
TECHNICAL SPECIFICATIONS

Type of compass: Sailing / Power boat compass
Illumination: Yes, 12V. Colour: red
Lubber lines: Yes, centre and side view at 45° (back)
Centre sighting peg: Yes
Gimballed cradle: Yes
Accuracy: ±0.5°
Apparent card diameter: 125 mm (4.9 inch)
Compensator: Yes
Card type: Flat
Card graduation: Top: every 5°
Heeling angle: Roll: 45° Pitch: 30°
Heeling angle scale: No
Mounting: Pedestal, white plastic
Mounting angle: -10° to +10°
Temp operating range: -10°C to +70°C (14°F to 158°F)
Storage temperature: -30°C to +70°C (-22°F to 176°F)
Adjustable cover: Yes
Material: Acrylic/ABS
Weight: 1900 g
Dimensions:



PROTECT THE ENVIRONMENT.

The Compasses should be recycled and must not be thrown in the regular trash.
Dispose these items in accordance with applicable local regulations.
For more information please visit **www.silva.se**



Visit: **www.silva.se**
for more information about the Waste Electrical and Electronic Equipment (WEEE) Directive.