



FULL VERSION MANUAL 70UN/UNE

Art.no 70UN (MN) 35014-9011 (ME) 35014-9013 (MS) 35014-9015
Art.no 70UNE (MN) 35014-1191 (ME) 35014-1193 (MS) 35014-1195



SILVA 70UN/UNE MARINE COMPASS

Thank you for choosing a SILVA 70UN/UNE compass. SILVA 701JN/UNE are universal compasses, suitable as a main compass on smaller boats, or as sighting- and spare or "telltale" compass on larger boats.

SILVA 70UN/UNE can be supplied with compensator (art. no.34475) when the compass is mounted horizontally. For the compensator a mounting place is required (art. no. 67026) see figure.

PRODUCT OVERVIEW

The 70UN/UNE compass consists of the following parts:

- Compass unit
- Batteries
- Mounting bracket
- Illumination unit (70UNE)

BATTERY AND ILLUMINATION (70 UNE)

For illumination of the 70 UNE - Press in the middle of the red rubber plug, to switch on the illumination. Turn off the illumination by pressing plug once again.

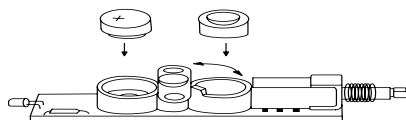
Fitting batteries into the 70 UNE.

1. Remove the red rubber plug from the handle.
2. Pull out the illumination unit.
3. Fit the batteries according to the main drawing (+ down, - up).
4. Turn over the battery plate.
5. Press the illumination unit back through the guiding track in the handle.
6. Replace the red rubber plug, first by hand, then push the plug against a flat hard surface.

Data: Battery: Approx. 20 hours. Type of battery: Silver Oxide SR 44 1.5V [SILVA art.no 35632].

NOTE! Long term storage - take out the batteries.

NOTE! The illumination can be hard to see in strong sunlight.



POSITIONING

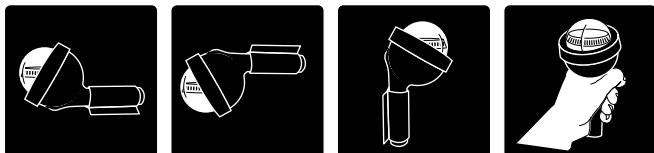
SILVA 70UN/UNE offers many mounting possibilities - horizontally, at a sloping angle, vertically or hanging from the cabin roof. The compass should be positioned so it is easy to read from various angles, even in darkness when illuminated. Position it as far as possible, away from iron objects or other disturbing magnetic sources such as loud speakers, wind- screen wipers, instrument etc.

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

When checking for magnetic disturbance, use an ordinary handheld compass, held in the fore-and-aft direction around the intended mounting site. In most cases 50 cm 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 compass is delivered with a mounting bracket, which should be fastened with the four brass screws. (Always use screws of non-magnetic material !) This bracket is also supplied as an optional extra (art. no. 32849) which gives alternative mounting places. The compass should be mounted exactly in the fore-and-aft direction of the boat.



70UN



70UNE

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.

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. The compensation adjuster screws are situated at the compass lower front edge.

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.
- 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!**

SIGHTING BEARINGS

When using Silva type 70UN/UNE as a sighting compass, remove the compass from the fastening and hold it with the arm slightly bent. The bearing is read towards the band scale when the sighted object and the both lubber lines coincide.

MAINTENANCE

To make sure you get maximum performance from your 70UN/UNE compass, clean it regularly with a damp cloth. Can be stored in temperatures down to -20°C

TECHNICAL SPECIFICATIONS

Type of compass: Universal compass

Illumination: Yes, red (70UNE)

Burn time: 20h

Batteries: 2x SR44 1.5V (Silver oxide)

Lubber lines: Centre

Gimballed cradle: No

Accuracy: ±1°

Apparent card diameter: 70mm

Compensator: Optional

Card type: Cone

Card graduation: Edge: every 5° Top: every 5°

Heeling angle Roll: 30° Pitch: 360°

Heeling angle scale: No

Mounting: Bracket / handheld

Mounting angle: Any

Temp operating range: -10°C to +70°C

Material: Acrylic/ABS

Weight: 405g (70UN) 500g (70UNE)

PROTECT THE ENVIRONMENT.

Compass and batteries 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/emiroment
for more information about the
Waste Electrical and Electronic
Equipment (WEEE) Directive.