

IRIS 50 INSTRUCTIONS

Thank you for buying our PLASTIMO compass. Its creation is the culmination of our long experience in compasses and every care has been taken to ensure that you have an excellent quality product. The choice of components make the IRIS 50 unique and ensure that you will enjoy many long years of use.

INSTRUCTIONS FOR USE

Note: Due to the fact that handbearing compasses are used in a mobile situation, compensation is not possible. They should therefore be used well away from metallic objects to avoid any deviation (see a).

1 - TAKING BEARINGS

Maintain the compass in a horizontal position. Hold the compass as near to your eye as possible with your hand resting on your cheekbone. The nearer the compass is to your eye, the wider the field of vision. For those who wear glasses, you may prefer to remove them whilst taking bearings.

2 - COURSE READING

The IRIS 50 can also be used as a steering compass or an orientation compass by taking the reading from above, along the lubber line.

Note: In order to obtain a correct reading, it is important to point the compass along the axis of the boat, to read the course vertically and to keep away from metallic objects.

LIGHTING

The IRIS 50 has built-in photoluminescent lighting that needs no maintenance at all. This lighting does not pollute and works on the theory of energy release. The photoluminescent card stores light and then releases it. Exposing the compass in a lit cabin or to torchlight ensures enough light for taking night bearings.

PRECAUTIONS FOR USE

- Avoid leaving the compass in the sun or behind a windscreen.
- Avoid contact with hydrocarbons (fuel, oil...).

MAINTENANCE

Clean the lens with fresh water and optical lens cleaning fluid.

QUICK METHOD FOR ESTABLISHING THE DEVIATION CURVE OF YOUR SHIP'S STEERING COMPASS

PLASTIMO suggests an extremely quick and easy method which consists of comparing the informa-

tion given by the steering compass in different directions with those of the IRIS 50 which would be used in an area free of magnetic disturbance (i.e. the readings given are considered to be accurate).

a) FINDING THE IDEAL LOCATION ON BOARD TO USE THE IRIS 50: (this is important for future use of the compass)

- Firstly, a seamark should be picked out, even if it is unidentified. This will serve as the point of reference. This point should be at least 3 miles from the boat and the sea should be calm.
- Locate an area on board that in principle is not subject to magnetic disturbance. The rear of the boat is usually a convenient location.
- Then, whilst pinpointing the seamark with the IRIS 50, turn the boat slowly round in a circle about 4 to 5 times the length of the boat. If the bearings remain constant, this means that the location you have chosen is free from magnetic disturbance. If this is not the case, find another location on the boat. (The error [in degrees] due to the boat moving round in a circle is minimal [$< 1^\circ$] in relation to the distance from the seamark).

b) CHECKING THE ACCURACY OF YOUR SHIP'S STEERING COMPASSES

Turn the boat round in different directions and compare the course readings of the steering compass with the IRIS 50 which should be positioned along the longitudinal axis of the boat. Any difference is due only to the deviation of the steering compass.

c) ESTABLISHING THE DEVIATION CURVE

In the event of deviation, turn the boat in various directions (N, 22°, 45°, 68°, E, etc.) and note the differences. Then trace out the deviation curve of the steering compass. If the steering compass has a higher course than the handbearing compass this means that the deviation is west and vice versa.

Reminder: True heading = Magnetic heading + V + D. V = variation (see charts). D = deviation (due to magnetic disturbance). Note: algebraic values should be taken into account. When V and/or D are east: add (+). When V and/or D are west: subtract (-).

d) COMPENSATION OF YOUR SHIP'S STEERING COMPASS

If the deviation is more than 10°, your ship's steering compass must be checked for compensation. If this is the case, refer to the steering compass instruction manual.

WARRANTY CARD

Dear Boat Owner,

Thank you for purchasing a Plastimo compass. This instrument has been thoroughly checked and is covered by Plastimo's 5-year warranty for defects in materials and manufacturing process. This warranty provides for the free repair or replacement of defective parts from our certified service centers.

This warranty grants you specific legal rights. You may also have different legal rights depending on the laws of your state or country. To the extent that this warranty is inconsistent with any local laws, this warranty will be deemed to be modified to be consistent with such local laws.

Warranty does not cover:

- Compass mounting/dismounting costs.
- Damages as a result of non authorized modification or repairs, incorrect installation or misuse.

To make a claim under this warranty, please return your compass prepaid to your dealer or to our customer service center with its original invoice or this warranty card, duly filled in.