





L. Charpentier ©

Plastimo compasses : 50 years on the right course.



Only the best will do !

For ultimate quality, Plastimo selects the best components in order to ensure that your compass is a highly dependable instrument which will provide years of reliable service.

- A sapphire equips every compass : its hardness is a warranty for the long life and precision of your compass.
- All Plastimo compasses feature an anti-vibration system, which ensures a minimal contact between the pivot and the sapphire cup ; the latest-born "Vibration absorber" device damps spinning caused by high-speed pounding and vibration.
- A compass is a meticulously engineered instrument : all the "precious" components are produced by Swiss clock-makers, worldwide famous for their legendary precision.
- The soft Viton® diaphragm or the semi-soft ultra-sound welded diaphragm is fully waterproof and has an extreme expansion and retraction capacity : it compensates the fluctuations in fluid volume caused by the differences in temperature and atmospheric pressure.
- All plastic components -and more specifically the material used for the dome- are carefully selected to withstand shocks, UV-rays and harsh marine environment.
- The crystal transparency of the dome and the exceptional magnifying index of the fluid contribute to the perfect legibility of the card.

Viton® is a registered trade mark of Dupont de Nemours.



B. Y. Leglavin ©

Innovation stems from state-of-the-art Research & Development.

For over 50 years, the Plastimo Research and Development department has created and engineered extremely dependable compasses, combining top performance with stylish design. Building on the same development philosophy, our engineers now use the most sophisticated computer assisted design programs.

To be allowed on your boat, a Plastimo compass must pass challenging quality control tests.

Needless to say, all Plastimo compasses comply with the regulation... but Plastimo's stringent requirements are even more demanding : at every stage of production, each compass is tracked, checked and thoroughly inspected, so that quality is never a coincidence.

- Accelerated ageing tests, carried out in our laboratories, guarantee that the dome and all other components are totally impervious to UV rays.
- Vibration tests used to simulate the vibrations generated by rough sea and high-speed : the card must remain absolutely stable, whatever the vibration frequency. While the regulation requires tests from 7 to 40 Hz, Plastimo challenges its compasses to tests between 5 and 100 Hz.
- Temperature tests : our compasses are tested in heated and refrigerated cabinets from +60° to -20° C (+180° to -70 °F). Even in these extreme temperatures, the compass must not leak or develop bubbles.



P & F Vernay - Polar Lys, Greenland



Cosmetic cover



Dome



Pivot holder



Pivot



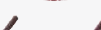
Pivot bearing



Card



Magnets



Sapphire-cup



Platform



Index needles

Lubber line

Expansion diaphragm



Compensation



- Stability tests : when the card is deflected (40° or 90°), it must return to its original position and settle within a predetermined time (called the "half-period").
- Precision and accuracy are tested on each cardinal point. After a 95° deflection, the card must return to its original position, within a 1° maximum allowance.
- Packaging protection : in order to guarantee optimum protection during transport, we regularly drop test our packaged compasses from a 1 metre height to a hard surface.
- Final quality tests : assembled, packaged and ready for shipment, Plastimo compasses are once again inspected with a statistical sampling.

5 year
Warranty

These stringent tests and quality assurance procedures allow Plastimo to offer a 5-year warranty on all its compasses, and to certify an outstanding quality that meets all European and ISO specifications.

3 million compasses
100 % handcrafted by Plastimo

The most prestigious racers,
the most demanding boatbuilders,
the most safety conscious yachtsmen
keep on the right course with Plastimo.

Excellence in compass-craft.

For 50 years, we have owed our position as market leader not only to our extensive range of 400 models, but also to our continuous effort to offer you such a top quality product that you never have chance to mention it, except than recommend it to a friend getting ready to equip his boat.

Compass production is fully controlled in our Lorient (France) factory, including of course plastic injection engineering, on which Plastimo has built its worldwide reputation.



Every compass card is balanced manually to ensure its perfect horizontality. This is an extremely delicate operation, requiring patient and scrupulous craftsmanship which only years of experience can bring.



Produced from state-of-the-art injection moulding machines, domes are individually inspected, thus eliminating the slightest risk of imperfection-optical or mechanical.

A Plastimo compass is a meticulously engineered instrument. The complexity of components and the extreme accuracy required at every stage forbids production automation ; every compass is assembled manually. Even when brand new, it already has an interesting history...



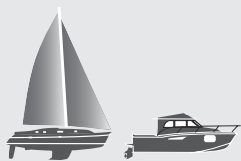
Printing and legibility of the card must pass microscopic examination. Quality and durability of the printing are fundamental. Once the compass is assembled, the magnification of the card is such that the slightest flaw would be intolerable. Plastimo owes its position as market leader to this uncompromisingly stringent selection of cards.

The oven test is used to detect possible leaks. Each compass is placed for 2 hours in a cabinet heated to +60 °C. As this produces an expansion of the fluid, the diaphragm compensates for volume fluctuations.



How to select your compass?

Selecting the best compass for your boat is extremely important, as the compass will be the helmsman's or pilot's navigation mate for many years. To help you choose, we suggest that you ask yourself the following simple but essential questions :



elements are of course integrated in the engineering of our compasses..

- **What type of boat do you own?**

Dinghy, cruising boat, racing boat, powerboat, kayak or yawl... You should know that the main differences between a sailboat and a powerboat (in terms of compass construction) are the heeling angle and the resistance to vibration and shocks. These technical

- **What is your navigation programme ?**

Day sailing, cruising, passage making, racing... you will select a compass with or without lighting, with or without compensation, with the right card balanced for the geographical card where you are going to sail, with a plain or tactical card.

- **Which size of compass ?**

If the compass is designed to be read from a distance, you will need a larger compass. Generally speaking and as a benchmark indication, you should select a card apparent diameter between 70 and 90 mm, for a 5 to 9 m boat (17-30 ft).

- **Which type of mounting ?**

Flushmounted on a horizontal, vertical or inclined bulkhead, on a binnacle or mini-binnacle, on a bracket, in a take-away or mast-mounted version... you must choose a compass which remains easily readable (shape of card) at all times. The Plastimo range of compasses covers all mounting options and all our models are designed for minimum drilling and screwing. Last but not least, be stylish : often located at the heart of your boat, your compass should ideally match and enhance the character of your boat ; you will therefore pay particular attention to its design and colour.



Flat card

A flat card is read on the back edge, where the lubberline is located. The fluid magnifies

the numerals which become easier to read. In addition, the flat card provides a global view of the card and its North point in relation to the boat's direction.



Conical or cylindrical card

Reading from the front and the top of the card. In addition

to front reading, this type of card usually features numerals and cardinal points on the top part of the card, thus providing two reading possibilities. This card is particularly suitable when steering or piloting is done sitting or standing.

A jewel on your dashboard

While holding the course is obviously the primary function of a compass, we at Plastimo, believe that elegance and style add to your sailing pleasure. We have designed your compass to enhance your boat. You will be proud of it. Plastimo compasses have been presented with several prizes, of which the most impressive are French, Japanese, German and American Design Awards.



Installation on board



Flushmount on horizontal surface

This extra-flat version provides an excellent viewing angle and also reduces vibrations by absorbing them. On a powerboat, a flushmount compass is ideal for the flybridge, the upper deck or the central steering pod ; on a sailboat, a flushmount compass will be ideally located on either side of the deck or mounted on a binnacle.



Flushmount on vertical or inclined surface (often known as bulkhead or dashboard compass)

A bulkhead compass is generally mounted on the cockpit side of the cabin bulkhead, allowing easy viewing from the cockpit (and also from the cabin, with the famous Contest 101). On a powerboat, this is ideally suitable for a vertical dashboard or a central steering pod.



Bracket

Very popular on powerboats, a bracket allows for swift and easy mounting whatever the location. It is particularly suitable on surfaces with awkward angles. A bracket-mount compass can generally be taken away for safe storage, which is a real plus on a powerboat with no cabin.



Binnacle for steering wheel

For sailboats with a steering wheel.



Mini-binnacle

Ultra-slim and compact version ; does not require any cut-out hole. The compass can be taken away for safe storage.



Mast-mounting

If you have only little space available, mast installation can be the answer. It is very easy to carry out thanks to a specific mast mounting kit.



On fixing bracket

Often a multi-function compass (combines course + handbearing functions), this type of compass is usually removable for storage.

Compensation

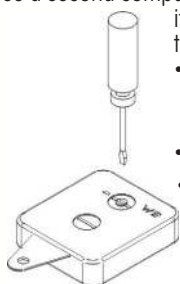
DEVIATION :
See adjustment procedure on www.plastimo.com

Compasses are supplied with built-in compensation, or can be further equipped with an optional compensation. Compensating a compass consists in adjusting the position of the 2 magnets, in order to affect the horizontal component of the card by modifying the North/South and East/West deviation. The compensation procedure is a delicate operation and should ideally be carried out by a professional compass adjuster.

How to compensate a compass

Use a second compass as the reference ; a handbearing compass is often the most convenient, provided it is interference-free. The North-South screw corrects North-South heading ; the East/West screw corrects East-West heading.

- Run the boat along the Northerly course selected as per your handbearing compass and adjust your steering compass by turning the North and South screws either way, so that the steering compass also points North.
- Repeat the procedure, running the boat Easterly.
- Run the boat Southerly and this time, reduce the deviation by half.
- Run the boat Westerly and reduce the deviation by half.
- Note : Upon completing the compensation procedure, it is essential to draw a new deviation table.

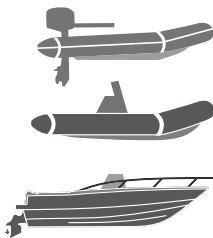


Offshore® compass

Offshore® 55

Ideal on small size power boats, up to 6 metres (20 ft).

MADE BY
PLASTIMO

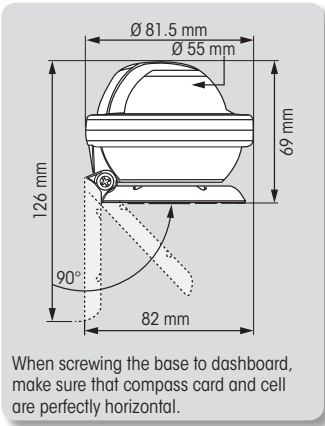


5 year
Warranty



Offshore® 55
• Black card, black flange : 63854
• White card, white flange : 63855

- **Bracket-mount**
Large stable base absorbs vibrations, simply screwed on dashboard.
- **Card**
Contributes to safety and provides reliable reading, whatever the ambient light and weather/navigation conditions (conical card, perfectly stable, 55 mm apparent diameter).
- **Moulded-in notch to visualise heading easily.**
- **Materials**
All parts fully UV-ray treated. Scratch resistant dome.
- **Watertight construction**
One-piece moulded flange and bowl.
Diaphragm for absolute watertightness.



OFFSHORE 55	
Boat size	Powerboats up to 6 metres (20 ft).
Card	Conical card graduated every 5°. Apparent Ø 55 mm. Heading numerals every 30°.
Mounting	Bracket-mount, on a horizontal, tilted or vertical surface.
Reading	1 moulded-in notch to visualise heading easily.
Compensation	Optional (access by removing the top flange)
Lighting	Optional : 12/24 V LED bulb. Access by removing the top flange.
Supplied with	Orientable installation base and screws.

Options & Accessories



- **Compensation : 17673**
- **Optional lighting : 62037**
12/24 V LED bulb

Also available in Kayak version, with shock cords and hooks. See page 308.



Offshore® 75

Jernmeu ©

The Offshore 75 compass benefits from Plastimo's invaluable experience in compass engineering. Whatever the boat speed or vibrations, the Offshore 75 remains fully efficient, thanks to the exclusive "Vibration Absorber" system which guarantees an exceptional card stability in all conditions.



5-8m



5 year
Warranty

ISO
613

RESISTANCE TO VIBRATIONS
tested by LCIE*, no. 30559010.
"VIBRATION ABSORBER" exclusive system :
Minimal contact between the pivot
and the sapphire cup.
* French official testing laboratory.



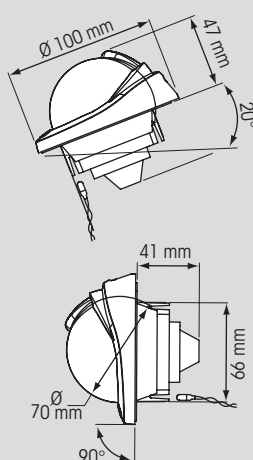
Installation

- **Flushmount on horizontal surface** : compact compass (fastening with screws).
- **Flushmount on vertical or inclined surface/dashboard** : fits any surface whatever the angle (fastening with screws). Interchangeable with any compass of equivalent size.
- **Mini-binnacle** : to be mounted on a horizontal surface thanks to the unique clip-plate which allows the compass to be removed.
- **Bracket** : the broad and sturdy bracket base absorbs the vibrations. Mounting can be done on any surface whatever the angle, provided that the compass + card unit remains horizontal at all times. Bracket-mount compass can also be removed when fitted with clip-plate.

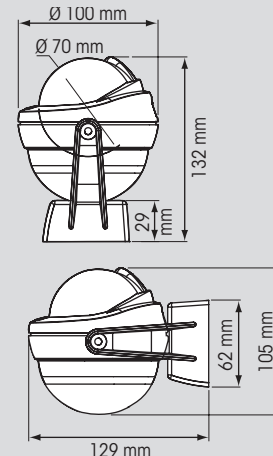
Offshore® 75

	OFFSHORE 75
Boat size	Powerboats of 5 to 8 metres (17 to 26 ft).
Compass card	Conical card graduated every 5° apparent Ø 70 mm. Heading numerals every 30°.
Mounting	Flushmount : on a horizontal, vertical or inclined surface. Mini-binnacle : mounted on a horizontal surface thanks to a clip-plate (supplied) ; compass is removable. With a bracket : mounted on a horizontal or inclined surface. Compass is removable thanks to clip-plate.
Resistance to vibrations and hull pounding	Magnetic cell equipped with the unique "Vibration Absorber" system.
Lubber line	1 lubber line.
Compensation	Optional (on mini-binnacle and bracket-mount models)
Lighting	12-24 V. LED included on all Offshore models. No lighting on Offshore Basic.
Supplied with	Clip-plate, screws, drilling template.
Approval/homologation	ISO 613 compliant.

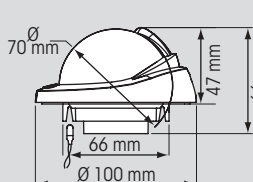
Flushmount/dashboard



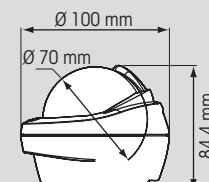
Bracket-mount



Flushmount



Mini-binnacle





Card

- Card design guarantees accurate readings and safe navigation under all weather or light conditions.
- Perfect stability of conical card, 70 mm apparent diameter.
- Every card is balanced individually in our workshops.
- Front reading : graduation every 5° and compact figures allow for easy reading.

Lighting

Bulb is integrated in the bowl, thus spreading the illumination evenly and preventing eye strain and fatigue at night.



Watertight construction

- One-piece moulded flange and bowl.
- Viton® diaphragm with extreme expansion and retraction capacity : compensates the fluctuations in fluid volume caused by the differences in temperature and atmospheric pressure, thus preventing the formation of bubbles.
- Lighting integrated in the bowl.
- Moulded-in sunken head screws.



Lubber line

Fluorescent orange, for instant recognition.

Materials

- All parts fully UV-ray treated.
- Scratch resistant dome.



Access to compensation or lighting

Extremely easy access to compensation or lighting with unique flange-clip system.

Compensation

Only bracket-mount and mini-binnacle versions can be equipped with optional compensation box.

OFFSHORE 75 Basic, without lighting	Black card, white flange
Mini-binnacle, horizontal surface	White : 63863
Bracket-mount, horizontal or vertical surface	White : 63864

OFFSHORE 75, with lighting	White card & flange	Black card black flange
Flushmount horizontal surface	63858	63857
Flushmount/dashboard vertical or 20 to 90° inclined surface	63860	63859 Light grey card
Mini-binnacle horizontal surface	White : 63862	Black : 63861
Bracket-mount, horizontal or vertical surface	White : 63866	Black : 63865



Compensation :
17673



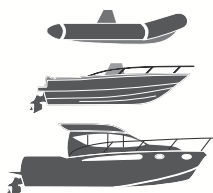
Plasticlip : 37035

Black plastic clip, allows swift and easy installation of a bracket-mount compass on any tube Ø 18.5 to 22.5 mm.

Accessories



Offshore® 95



6 - 10m



ISO
613

VA
VIBRATION
ABSORBER

5 year
Warranty

Offshore® 95

OFFSHORE 95	
Boat size	Powerboats from 6 to 10 m (19 to 33 ft)
Compass card	Conical or flat card graduated every 5°, apparent Ø 81 mm. Heading numerals every 30°.
Mounting	• Flushmount, on a horizontal surface. • With a bracket : mounted on a horizontal or inclined surface. Compass is removable thanks to clip-plate.
Resistance to vibrations and hull pounding	Magnetic cell equipped with the unique "Vibration Absorber" system.
Lubber line	1 lubber line.
Compensation	Supplied as standard.
Lighting	12-24 V LED.
Supplied with	Clip-plate, screws, drilling template.
Homologation	ISO 613 compliant.

OFFSHORE 95	flushmount	bracket
• BLACK COMPASS		
black flat card	55370	55376
black conical card	55373	55379
• WHITE COMPASS		
black flat card	55382	55391
black conical card	55385	55394
white conical card	55388	55397





Card

Outstanding legibility under all weather and light conditions for optimum comfort and accurate readings.

- Perfect stability of conical or flat card, 81 mm apparent diameter.
- Every card is balanced individually in our workshops.
- Graduation every 5°.

Lubber line

Orange, for instant recognition.



Watertight construction

- One-piece moulded flange and bowl.
- Viton® diaphragm with extreme expansion and retraction capacity : compensates the fluctuations in fluid volume caused by differences in temperature and atmospheric pressure, preventing the formation of bubbles.
- Moulded-in sunken head screws.

Materials

- All parts fully UV-ray treated.
- Scratch resistant dome.

Lighting

Bulb is integrated in the bowl, thus spreading the illumination evenly and preventing eye strain and fatigue at night.

Access to compensation or lighting

- Extremely easy access to compensation or lighting with unique flange-clip system.
- Compensation can be adjusted from the outside, with no need to open the compass on the bracket version.



Installation

- **Flushmount on horizontal surface :** compact design, interchangeable with Offshore 90 and most compasses of equivalent size.
- **Bracket :** broad and sturdy bracket base absorbing vibrations. Mounting can be done whatever the angle, provided that the compass and card unit remain horizontal at all times. Bracket-mount compass can also be removed when fitted with clip-plate.



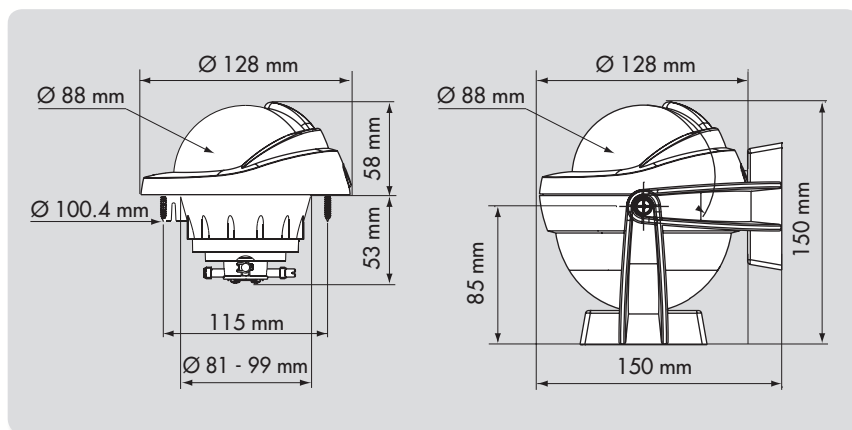
Optimum vibration-resistance for a perfect stability of the card.
"Vibration Absorber" exclusive system : minimal contact between the pivot and the sapphire cup.

Options

- **Protective cover :**
white : 55402
black : 55599



- **Plasticlip : 37035**



Offshore® 115



Altair yachts ©



8-12m

Offshore® 115

	OFFSHORE 115
Boat size	Powerboats of 8 to 12 metres (26 to 40 ft).
Compass card	Conical or flat card graduated every 5°. Apparent Ø 101 mm. Heading numerals every 30°.
Hood	Articulated protective hood : built-in sliding cover, composed of 3 telescopic parts, with cushioned closing.
Mounting	• Flushmount : on a horizontal surface. • Binnacle available as option.
Resistance to vibrations and hull pounding	Magnetic cell equipped with the unique "Vibration Absorber" system.
Lubber line	1 lubber line.
Compensation	Supplied as standard.
Lighting	12-24 V LED.
Supplied with	Screws, drilling template.
Approval/homologation	SOLAS-MED 96/98.



SOLAS



Universal balance :
round the world with
one compass.

OFFSHORE 115	
• BLACK COMPASS	
black flat card	60992
black conical card	60991
• WHITE COMPASS	
black flat card	60993
black conical card	60990
white conical card	60989



Watertight construction

- One-piece moulded flange and bowl.
- Viton® diaphragm with extreme expansion and retraction capacity : compensates the fluctuations in fluid volume caused by differences in temperature and atmospheric pressure, preventing the formation of bubbles.



LED lighting

- Energy saving.
- High resistance to shocks.
- Increased lifetime.
- Same bulb is suitable for 12 or 24 V power supply.



Resistance to vibrations tested by French testing laboratory LNE. "Vibration Absorber" exclusive system : Minimal contact between the pivot and the sapphire cup.



Articulated hood : built-in sliding cover composed of 3 telescopic parts with cushioned closing.



Options

• Binnacle



Black : 61000

White : 61001

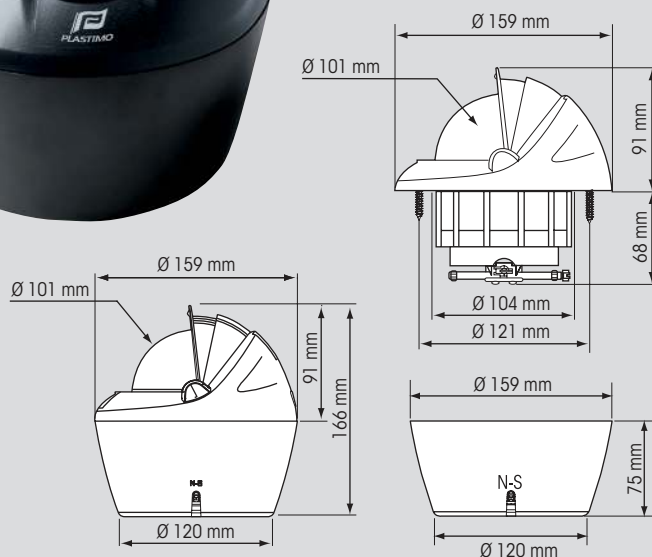
• Protective hood



Black : 61002

White : 61003

• Spare LED lighting : 62037



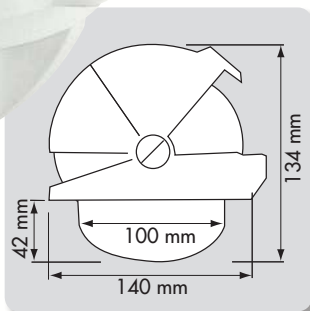
Offshore® 105 & 135



Jeanneau/J.M. Lot ©



5-9 m

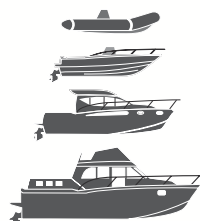


Offshore® 105

OFFSHORE 105	
Boat size	Powerboats of 5 to 9 m (17 to 30 ft).
Compass card	Graduated every 5°, apparent Ø 91 mm. Heading numerals every 30°.
Hood/sunshade	Articulated protective hood : built-in sliding cover, composed of 3 telescopic parts.
Mounting	Comes as standard in a flushmount version. Can be bracket-mounted with the addition of optional bracket.
Resistance to vibrations and hull pounding	Magnetic cell mounted on shock absorbers.
Lubber line	1 lubber line.
Compensation	Supplied as standard.
Lighting	12-24 V. LED
Approval/homologation	ISO 613 compliant.

OFFSHORE 105	Flushmount	Optional bracket kit*
• BLACK COMPASS		
black flat card	65004	17268*
black conical card	65001	17268*
• WHITE COMPASS		
black flat card	65005	17267*
black conical card	65002	17267*
white conical card	65003	17267*

* The bracket kit includes the actual bracket and the adequate screws.
A bracket-mount compass consists in one flushmount compass, plus one bracket kit (indicate both references when ordering).



5 year
Warranty



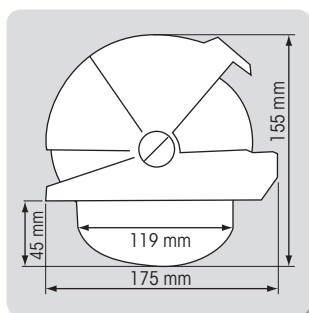
Offshore® 135

	OFFSHORE 135
Boat size	Powerboats of 10 m and above (33 ft +).
Compass card	Graduated every 5°, apparent Ø 130 mm. Heading numerals every 30°.
Hood / sunshade	Articulated protective hood : built-in sliding cover, composed of 3 telescopic parts.
Mounting	Comes as standard in a flushmount version. Can be bracket-mounted with the addition of optional bracket.
Resistance to vibrations and hull pounding	Magnetic cell mounted on shock absorbers.
Lubber line	1 lubber line.
Compensation	Supplied as standard.
Lighting	12-24 V. LED
Homologation	SOLAS-MED 96/98

Built-in articulated hood : slide it gradually on the compass to adapt to the light and avoid glare on the dome. When totally shut, your compass is perfectly protected.



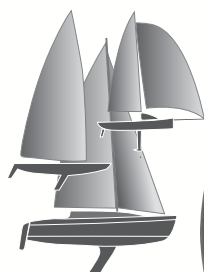
The optional bracket brings additional mounting possibilities, either on a horizontal surface avoiding to cut the instrument panel or on a vertical bulkhead. The bracket slides onto a fixing plate, allowing easy removal after use for complete security from theft. Beyond a simple aesthetic preference, the bracket mounting also offers the extra advantage of isolating the compass from the dashboard, thus reducing the potential interference created by other instruments and metallic objects.



OFFSHORE 135	Flushmount	Optional bracket kit*
• BLACK COMPASS		
black flat card	17259	17260*
black conical card	23484	17260*
• WHITE COMPASS		
black flat card	17261	17262*
black conical card	23493	17262*

*The bracket kit includes the actual bracket and the adequate screws. A bracket-mount compass consists in one flushmount compass, plus one bracket kit (indicate both references when ordering).

Contest[®] compasses



-9m



Mini-Contest[®]

To match the new cockpit designs, Plastimo has revamped the Mini Contest, one of its historic most popular compasses. The latest born in the range, the Mini Contest boasts a more modern look and a conical card for improved reading comfort.



MINI-CONTEST

White	55406
Black	55403

MINI-CONTEST

Boat size	Sailboats up to 9 m (30 ft).
Compass card	Conical red card graduated every 5°, Apparent Ø 81 mm. Heading numerals every 30°.
Mounting	• On vertical bulkhead. • On the mast (with the optional mast mounting kit).
Lubber lines	3 lubber lines, at 45°.
Heelmeter	Graduated every 10°.
Compensation	Optional.
Lighting	12-24 V. LED
Supplied with	Protective cover, drilling template, threaded rods.
Homologation	ISO 613 compliant.

Mini-Contest **advanSea**

MINI-CONTEST ADVANSEA

black, black card	28976
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MINI-CONTEST ADVANSEA

Boat size	Sailboats up to 9 m (30 ft).
Compass card	Cylindrical card, graduated every 5°. Apparent Ø 85 mm. Heading numerals every 30°.
Mounting	On vertical bulkhead.
Lubber lines	3 lubber lines, at 45°.
Heelmeter	Graduated every 15°.
Lighting	12-24 V. LED
Supplied with	Protection cover, drilling template.
Homologation	ISO 613 compliant.

Mini-Contest AdvanSea is a highly accurate compass, developed to match ideally the AdvanSea range of marine electronics instruments.





Watertight construction

- One-piece moulded flange and front dome.
- Viton® diaphragm with extreme expansion and retraction capacity : compensates the fluctuations in fluid volume caused by differences in temperature and atmospheric pressure, thus preventing the formation of bubbles.



Card

- Excellent readability whatever the weather conditions and light.
- Conical, highly stable, 81-mm apparent diameter.
- Individually balanced.
- Graduation every 5° and compact figures for easy reading.

3 lubber lines

For dependable readings even when steering windward.



Materials

- All parts fully UV-ray treated.
- Scratch resistant dome.

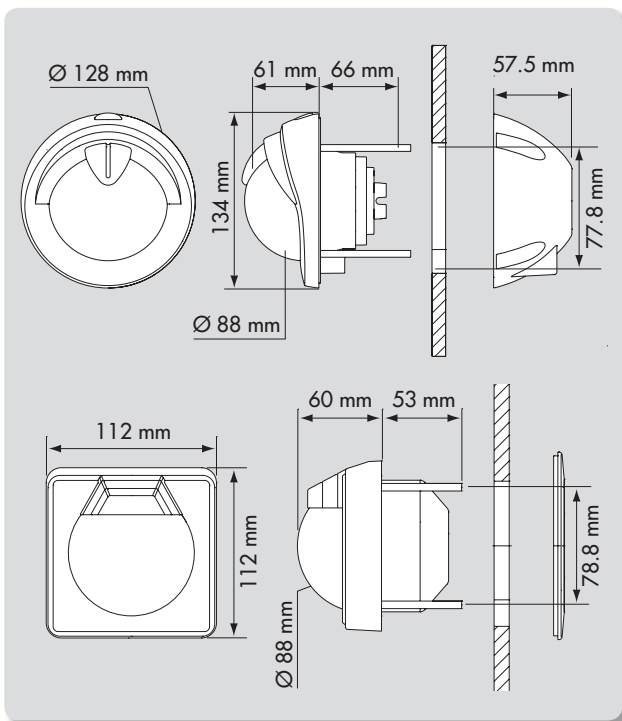
Lighting

12 V-bulb integrated in the front flange, spreading the illumination evenly over dome and card, and preventing eye strain and fatigue at night. Easy access to the light bulb from the front of the compass.

Mounting

Vertical bulkhead :

- Mini-Contest is compatible with drilling Ø of former model same size.
- Fits any bulkhead thickness :
 - Standard thickness (40 mm max) : the compass is secured with threaded rods
 - Thick or double bulkhead : the compass is secured with Parker screws on both sides of the bulkhead.



Options & accessories



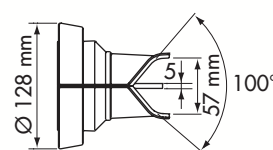
- Protective cover
AdvanSea : white 29361



- Protective cover
Mini-Contest : white 55402
black 55599



- Compensation :
17673



- Mast mounting kit
(Mini-Contest) : 55656



Contest® 101



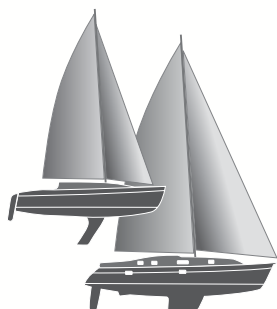
Jean-Marie Lioté©

When Plastimo invented the double reading compass, it was a major innovation which allowed the yachtman to follow his course from the cockpit and the cabin. The Contest 101 goes a step further : its exclusive mounting possibilities on any bulkhead - whatever the thickness- and its aesthetics allow the Contest 101 to adapt perfectly to today's yachts, both in terms of engineering technique and glamorous design.



Contest® 101

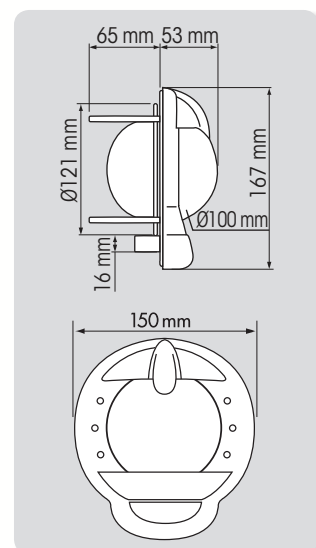
	CONTEST 101
Boat size	Sailboats 9 m and above (30 ft +).
Double reading	From cockpit and cabin.
Compass card	Double graduation : horizontal and vertical. Conical card, graduated every 5°, apparent Ø 100 mm. Heading numerals every 30°.
Mounting	Comes as standard in a bulkhead version (vertical or 10-25° inclined bulkhead). Can be mast-mounted with the addition of optional mast-mounting kit.
Lubber lines	3 lubber lines, at 45°.
Heelmeter	Graduated every 10°.
Compensation	Optional.
Lighting	12-24 V LED
Supplied with	Protection cover, drilling template.
Homologation	ISO 25862 compliant



+ 9 m

ISO
25862

5 year
Warranty





Universal balance :
around the world
with one compass.



Every compass card is balanced manually to ensure its perfect horizontality. This is an extremely delicate operation, requiring patient and scrupulous craftsmanship which only years of experience can bring.

Options & accessories



Spare protection cover : 25332

Just in case it would fall overboard... as it is originally supplied as standard.



Mast mounting kit : 39201



Compensation : 17673

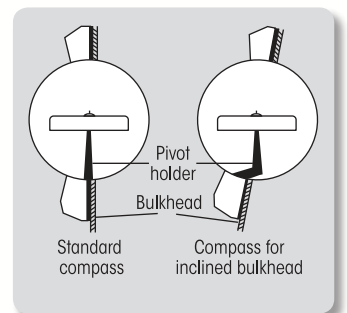
You have replaced your electronics, modified your cockpit and your compass doesn't quite "match" any longer... Just by replacing the colour bezel of your initial Contest 101, you can change its look in seconds.



Bezel for Contest 101 Black : 26891 White : 26892 Blue : 26893

CONTEST 101	Bulkhead-mount vertical	Bulkhead-mount inclined 10-25°
• BLACK COMPASS		
red card	64416	64418
black card	64421	64422
• WHITE COMPASS		
red card	64417	64419
white card	64423	64424

The model for inclined bulkhead is designed for a bulkhead tilted by 10 to 25° from vertical. The card remains fully efficient, even with a very high angle of pitch.



INCONTESTABLE !

Contest 101 compass

Lighting



- Bulb is integrated in the front flange, thus spreading the illumination evenly over dome and card and preventing eye strain and fatigue at night.
- Easy access to the light bulb, from the front of the compass.

Materials

- All parts fully UV-ray treated.
- Scratch resistant dome.

3 lubber lines

For dependable readings even when steering windward.



Anti-theft design

Thanks to moulded-in sunken head screws.

Watertight construction



- One-piece moulded flange and front dome.
- Viton® diaphragm with extreme expansion and retraction capacity : compensates the fluctuations in fluid volume caused by the differences in temperature and atmospheric pressure, thus preventing the formation of bubbles.

Double reading

From both cockpit and cabin.



Compensation

Easy access to compensation box, from the front of the compass.



Assembly is totally watertight

- Exclusive installation design allows the compass to fit any bulkhead, vertical or inclined up to 25° front tilt,
 - either by screwing from the cockpit side,
 - or by screwing from the cabin side, as an anti-theft security.
- Fits any bulkhead thickness :
 - Bulkhead of standard thickness (up to 40 mm) : the compass is secured with threaded rods.
 - Thick or double bulkhead : the compass is secured with screws on both sides of the bulkhead.
- Supplied with back flange for neat installation from cabin side.

Simply swap them without any new hole, and without any tooling. The Contest 101 has the same mounting footprint as the Contest 100 .

Contest® 130



5 year
Warranty

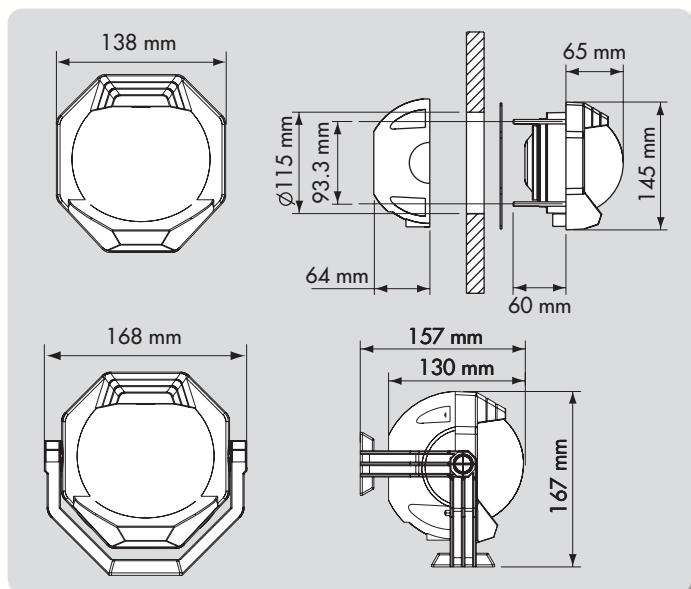
The bracket version Contest 130 is particularly suitable for boats with enclosed cockpits. The bracket allows the compass to be mounted in any position and is also removable instantly.

Contest® 130

The perfect card stability and exceptional magnification of the Contest 130 give the user an unparalleled quality of reading, by day or by night. **The Contest 130 remains perfectly legible from a 5 m distance.**

CONTEST 130	
Boat size	9 metres and above (30 ft +)
Compass card	Double graduation : horizontal and vertical. Conical card, graduated every 5°, apparent Ø 127 mm. Heading numerals every 30°.
Mounting	- Bulkhead (vertical or 10°-25° inclined bulkhead). - On a bracket. - On the mast (with the addition of optional mast mounting kit).
Lubber lines	3 lubber lines, at 45°.
Heelmeter	Graduated every 10°.
Compensation	Included as standard.
Lighting	12-24 V. LED
Supplied with	Protection cover, drilling template.
Homologation	SOLAS MED 96-98.

The model for inclined bulkhead is designed for a bulkhead tilted by 10° to 25° from vertical. The card remains fully efficient, even with a very high angle of pitch.



CONTEST 130	Bulkhead-mount vertical	Bulkhead-mount inclined 10-25°	Bracket-mount
• BLACK COMPASS			
black card	39669	40034	-
red card	17291	17292	17293
• WHITE COMPASS			
red card	17294	-	17295

Options & accessories



• Mast mounting kit :
39216



• Spare protection cover :
17296

Olympic[®] compasses

Specifically designed for sailing boats, the Olympic compasses feature an exceptionally steady card and remain absolutely accurate whatever the heeling angle and the weather conditions.



Olympic 95 & 100

Card

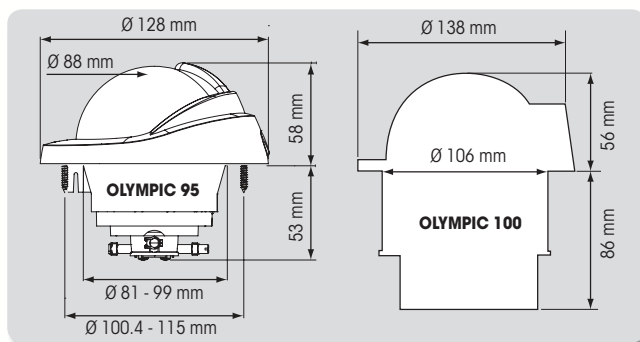
- Excellent readability whatever the weather conditions and light.
- Individually balanced.

Materials

- All parts fully UV-ray treated.
- Scratch-resistant dome.

Mounting

- Flushmount, horizontal surface.
- Interchangeable with most compasses of equivalent sizes.



Accessories

Protective cover :

- Olympic 95 : 55402
- Olympic 100 : 17287

	OLYMPIC 95	OLYMPIC 100
Boat size	Sailboat up to 9 m (30')	Sailboat 8 to 12 m (26-40')
Compass card	Conical card graduated every 5°, Apparent Ø 81 mm. Heading numerals every 30°.	Conical or flat card, graduated every 5°. Apparent Ø 100 mm. Heading numerals every 30°.
Mounting	Flushmount on horizontal surface.	Flushmount on horizontal surface.
Lubber lines	3 lubber lines at 45°.	3 lubber lines at 45°.
Compensation	Included	Included
Lighting	12-24 V LED.	12-24 V LED.
Supplied with	Protective cover, drilling template, mounting screws.	Protective cover, drilling template, mounting screws.
Homologation	ISO 613 compliant.	ISO 25862 compliant.



64763



63762

Universal balance :
around the world
with one compass

Olympic 95

The Olympic 95 is compatible with the Olympic 85 drilling Ø.

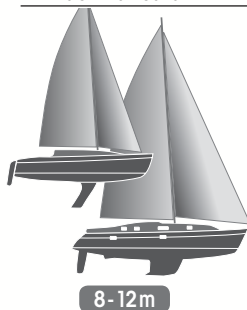
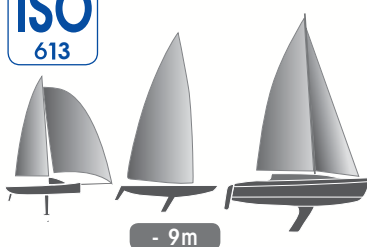
OLYMPIC 95	Flushmount
• WHITE FLANGE	
White conical card	56978

Olympic 100

OLYMPIC 100	Flushmount
• WHITE FLANGE	
Black conical card	64763
Black flat card	64762



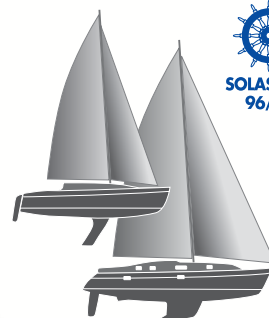
Sailors' favourite flushmount compass : deck hugging design, crisp card and totally unaffected by heeling angle.



LED lighting :
power saving and
comfortable reading.



Olympic® 115



6-12m

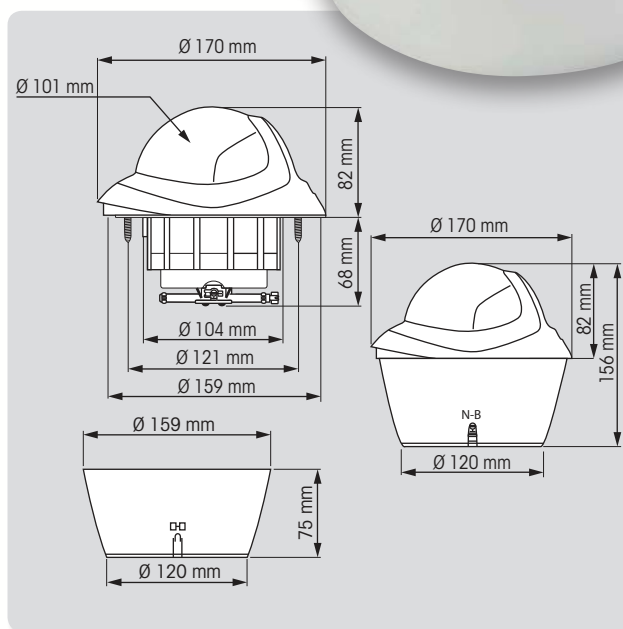


Universal balance :
round the world
with one compass.

Olympic® 115

	OLYMPIC 115
Boat size	Sailboat 6 to 12 m (19 to 40 ft).
Compass card	Conical or flat card graduated every 5° Apparent Ø 101 mm. Heading numerals every 30°.
Mounting	Flushmount : on a horizontal or inclined surface, 45° max. Binnacle available as option.
Lubber line	3 lubber lines at 45°.
Compensation	As standard, except inclined model (45° max).
Lighting	1 LED bulb 12/24 V, supplied as standard.
Supplied with	Protective cover, screws, drilling template.
Approval/homologation	SOLAS-MED 96/98.

OLYMPIC 115	Horizontal surface	45° inclined surface
• BLACK COMPASS		
Black flat card	60997	-
Black conical card	60913	60999
• WHITE COMPASS		
Black flat card	60996	-
Black conical card	60912	60998
White conical card	61205	-



Watertight construction :
one-piece moulded
flange and bowl.



Tunnel rods provide easy access
to compensators through the
binnacle.



LED lighting

- Energy saving.
- High resistance to shocks.
- Increased lifetime.
- Same bulb is suitable for 12 or 24 V power supply.

Options

• Binnacle



Black : **61000**
White : **61001**

• Spare protective cover



Black : **61004**
White : **61005**

• Spare LED lighting **62037**

Olympic® 135



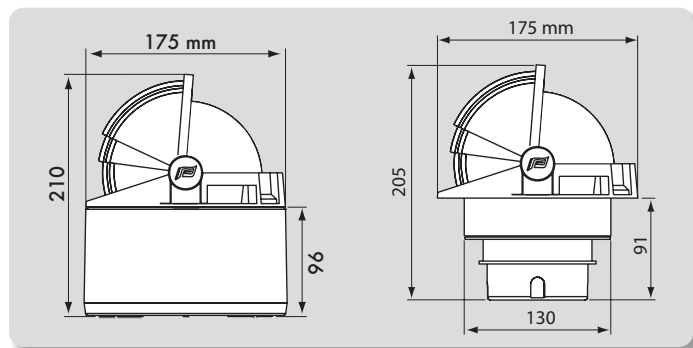
Olympic® 135

	OLYMPIC 135
Boat size	Sailboat as from 9 m (30 ft+)
Compass card	Flat card, graduated every 5°. Apparent Ø 130 mm. Heading numerals every 30°.
Hood/sunshade	Unique articulated protective hood : built-in sliding cover, composed of 3 telescopic parts.
Mounting	Pedestal mounting or minimal height flush mounting. Choice of 2 binnacles (96 mm high) ; Pedestal Ø 175 mm.
Lubber lines	3 lubber lines, at 45°.
Compensation	Supplied as standard.
Lighting	12-24 V. LED
Supplied with	Drilling template
Homologation	SOLAS-MED 96/98

OLYMPIC 135	Compass alone	Compass + white binnacle set	Binnacle alone
• BLACK COMPASS			White plastic : 10301
red card	17282	10302	
black card	17281	14408	
• WHITE COMPASS			Polished st. steel : 17283
red card	17286	14078	
black card	17285	14412	

Stylish design : articulated protective hood that slides shut, opening and closing click-stop.

Tunnel rods provide easy access to compensators through the binnacle.



Options & accessories

- **Flushmount kit : 11781**
Ensures fully watertight flushmount installation.
- **Mounting kit for Goïot P 1077 : 11466**

- **Whitlock binnacle for compensable Olympic 135 : 42131**

Horizon® 135



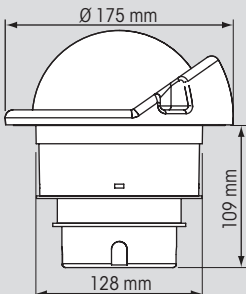
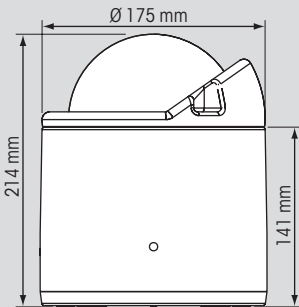
Th. Martinez/Sea&Co ©

Horizon® 135

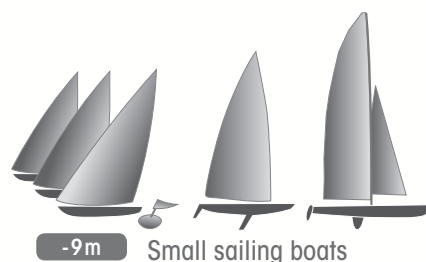
	HORIZON 135		
Boat	Yachts -sailing and power- over 9 m (30').		
Card	Flat card graduated every 5°. Apparent Ø 130 mm.		
Mounting	Flushmount on horizontal surface or pedestal-mount (with optional binnacle).		
Lubber lines	3 lubber lines at 45°.		
Compensation	Supplied as standard. Tunnel rods allow easy access to compensators through the binnacle.		
Lighting	12-24 V. LED		
Supplied with	Sunshield and protective cover, drilling template.		
Homologation	ISO 613 compliant.		
HORIZON 135	Compass	Binnacle	
Red card	17279	Polished st. steel	17277
Black card	17278	Plastic	10300

Tunnel rods for easy access to compensators.

DEVIATION :
See adjustment procedure on www.plastimo.com



Tactical compasses



Contest 101 tactical

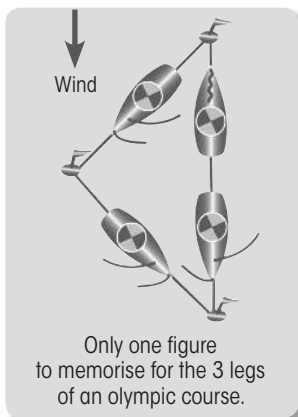
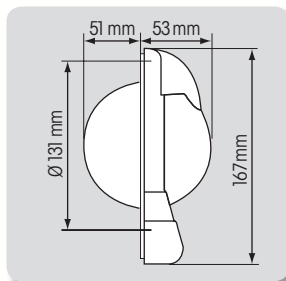
Sailboats of 8 to 12 m
(26 to 40 ft).

64425

Comes with protection cover.

- Double reading : from cockpit and from cabin.
- Apparent diameter of tactical card : 100 mm.
- Functional heelmeter.
- ISO 25862 compliant.

Compensation : 17673



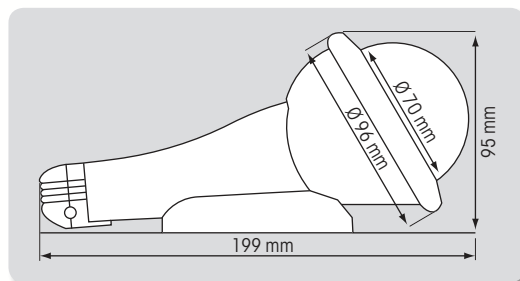
Iris 100 tactical

63867

Multi-position : horizontal, vertical, flat or even upside down installation. It can be taken away for storage, and moved to any convenient location on the boat : simply clip the shock-proof soft rubber casing to the bracket, a smooth-edge base that won't snag sails, lines or fingers.

- Conical card with vertical and horizontal reading.
- Gimballed magnetic cell : card remains perfectly horizontal, whatever the mounting angle.
- 6 mobile lubber lines.
- Iris 100 floats.
- Weight : 295 g.
- ISO 613 compliant.

Additional bracket : 22477
Order extra brackets for additional compass "stations".



The Contest 101 tactical and Iris 100 tactical models combine the functions of :

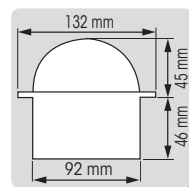
- Main steering compass, from card horizontal surface. Course is read from the lubber lines mounted in the lower part of the bowl.
- Tactical compass, from card vertical section (direct reading). Tactician-crew only needs to memorise one figure for the 3 legs of an olympic course.



Olympic tactical

17250

- Flat card, slightly dished.
- Apparent diameter of the card : 85 mm.
- 5 lubber lines.
- Weight : 375 g.



470 series and Plastimo have celebrated their 50th anniversary : lots of fond memories and success together !

Specialty compasses



Mini-C compass

Multi-purpose compass : dinghy sailing, cruising, powerboating... Thanks to its gimballed magnetic cell, the Mini-C adapts to any location on board, vertical or horizontal.

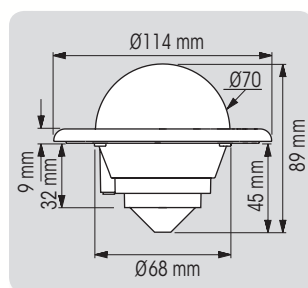
Installation is very easy : simply flushmounted, vertically on a bulkhead or horizontally on the dashboard or instrument pod.

- Conical card with dual reading (vertical and horizontal).
- Apparent card Ø 70 mm
- Magnetic cell mounted on gimbals provides excellent card stability : the card remains horizontal whatever the inclination.
- 2 mobile lubber lines.
- Illumination optional.
- Comply with ISO 613.

MINI-C	
Black flange	63868
White flange	63869

Option

**12 V lighting
17310**



Mini-B compass

Specially designed for small boats (less than 9 metres/30 ft).

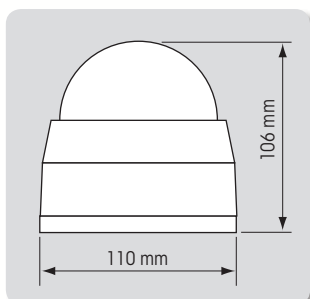
The Mini-B combines exclusive attractive features :

No drilling in the deck is required : the binnacle is simply secured with 3 screws.

The compass cell can be removed instantly with one single twist, for quick storage and security.

- Apparent card Ø 90 mm.
- Mobile lubber lines.
- Card pivot mounted on a shock absorber.
- Optional compensation available.

MINI-B	
MINI-B OLYMPIC	17233
Compensation	17673



Doris compass 17245

Traditional compass designed for small crafts.

Presented in a varnished wooden box, with transparent plexiglas sliding lid.

- White card, graduated every degree and intercardinal points.
- Apparent diameter of the card : 72 mm.
- 1 fore-and-aft line and 2 lubber lines at 45°.
- Gimballed.
- Accurate up to 60° rolling and 30° pitching.
- Dimensions : 152 x 152 x 100 mm.

Compass for Kayak



Offshore® 55 kayak

Ideal partner for kayak touring.



B. Legrain ©



Materials
All parts fully UV-ray treated.
Scratch resistant dome.

Card
Contributes to safety and provides reliable reading, whatever the ambient light and weather/navigation conditions (conical card, perfectly stable, 55 mm apparent diameter). Front reading.

Watertight construction
One-piece moulded flange and bowl.
Diaphragm for absolute watertightness.

Moulded-in notch to visualise heading easily.

Bracket-mount
Large stable base absorbs vibrations.
Attachment on the kayak lifeline with the shock cords and hooks (included).

Offshore® 55 Kayak

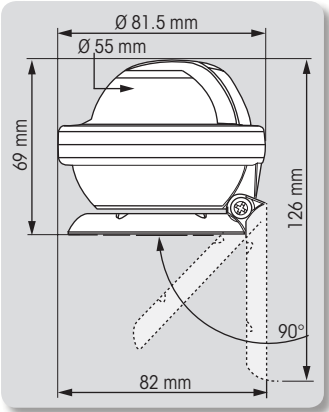
63856

Black card, orange flange

OFFSHORE 55	
Boat type	Kayak
Compass card	Conical card graduated every 5°. Apparent Ø 55 mm. Heading numerals every 30°
Mounting	Bracket-mount with two shock cords and 4 plastic hooks.
Reading	1 moulded-in notch to visualise heading easily.
Compensation	Optional (access by removing the top flange).
Lighting	Optional : 12/24 V LED bulb. Access by removing the top flange.
Supplied with	Orientable installation base, shock cords + hooks, screws.

Universal balance

5 year
Warranty

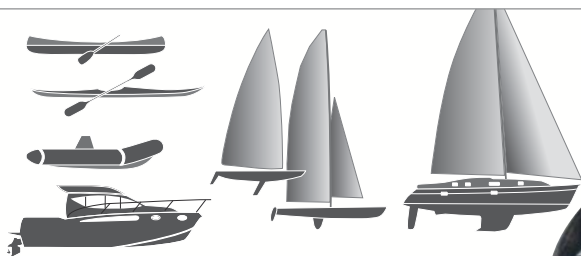


Options



- **Compensation : 17673**
- **Optional lighting : 62037**
LED bulb, 12/24 V
- **Kit including 2 shock cords +hooks : 63853**

Handbearing compasses



Iris 100 compass

The Iris 100 is a universal compass :

- **It can be installed on any inclination or position :** vertical, horizontal, laying flat, upside down...
- **It is a course compass** which can also be used to take bearings.
- **It can be taken away** and moved around the boat : it is simply clipped on a smooth-edge bracket, designed not to catch sails or hurt fingers.
- **A soft rubber casing provides efficient protection against shocks.**

These features make the Iris 100 an ideal compass for small boats (dinghy, kayak, canoe, small fishing boat...).

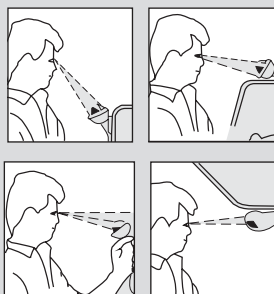
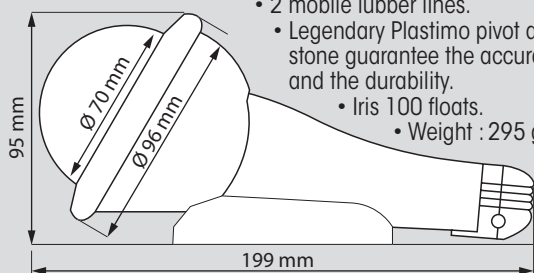
IRIS 100	Without lighting	With lighting*
Blue	63874	63875
Yellow	63876	63877
Additional bracket	22477	

* LED for homogeneous lighting and longer lifetime.
LED will flash to indicate low battery status.
Operated by standard 1.5 V battery (LR03 type).



Comes complete with protection padded pouch, bracket and assembly screws.

- Conical card with double reading (direct and horizontal).
- Gimballed magnetic set : the card remains perfectly horizontal, whatever the angle of the compass installation.
 - 2 mobile lubber lines.
 - Legendary Plastimo pivot and hard stone guarantee the accuracy and the durability.
 - Iris 100 floats.
 - Weight : 295 g.



Accessory



- **Additional bracket : 22477**
Compass comes complete with one bracket. Order extra bracket(s) for additional compass stations.

"(...) sturdy compass. The weight is well balanced and the long handle is rubberised for a comfy grip. It also has a rubber rim to protect the compass globe. The white compass card is marked with bold black numbers, while the lubber line front and back are day-glo-orange."

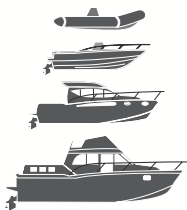
September 2014

SAILING
TODAY

Multi-position



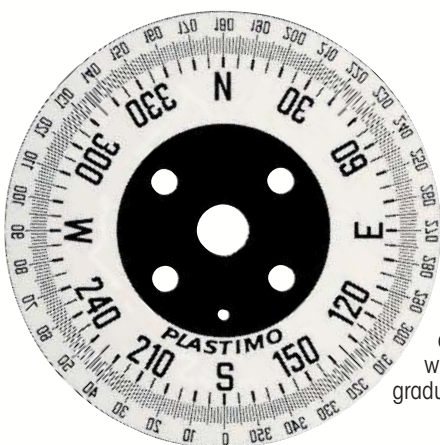
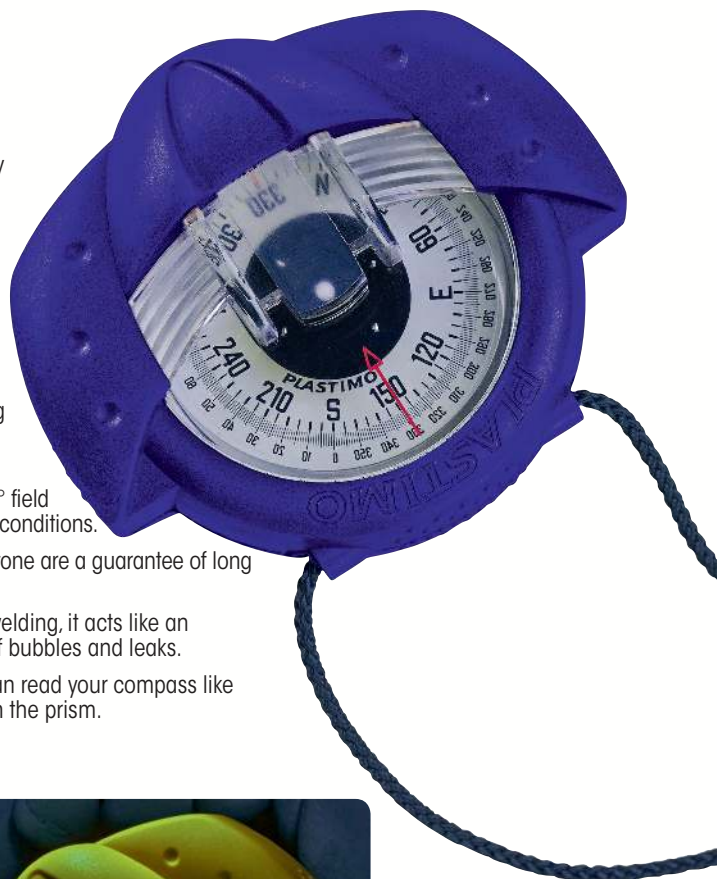
Iris 50 compass



Iris 50 handbearing compass

The Iris 50 compass is clear evidence that a sturdy marine compass no longer needs to look austere.

- **Good protection** against hard knocks : the smooth finish feels soft in your hand, and it will not slip, even if it is wet.
- **No parallax error** : a prism projects the reading of the bearing to infinity. This also contributes to a more comfortable operation, as you do not need to alternate close-reading to read the card and infinite-reading to take bearings.
- **Optimum conditions to take bearings**, thanks to the superb card stability and the wide 20° field of view, which will accommodate the roughest sea conditions.
- **Most accurate bearing** : the pivot and very hard stone are a guarantee of long life and shock resistance of your compass.
- **Soft bottom cell** : engineered using ultra-sonic welding, it acts like an expansion diaphragm, preventing the formation of bubbles and leaks.
- **Course reading** from above the compass : you can read your compass like a standard compass, with no need to look through the prism.



- **Outstanding legibility** of the card, with one-degree graduations.



- **Built-in photoluminescent lighting**, completely maintenance-free, impervious to corrosion, operates without batteries or radio-active tritium.

**MADE BY
PLASTIMO**



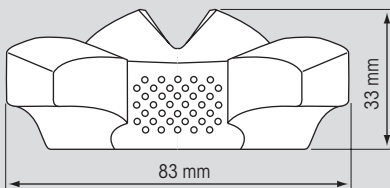
"This is the Plastimo classic and still scores highest in our test. It's simple, robust and well designed, with everything encased in rubber, except for the lens and the top of the card. (...) The acrylic lens gives the clearest and most accurate read-out, while its position on top of the compass allows you to line up the bold red lubber line directly against the landmark you're taking a bearing on. Stows away easily thanks to its lightweight and small size."

Rated **TOP FOR PERFORMANCE** by
SAILING TODAY - September 2014

**SAILING
TODAY**



ISO
613



5 year
Warranty

IRIS 50

Blue	63870
Yellow	63871
Turquoise	63872
Orange	63599
Sand	63603
Army green	63873

Accessories

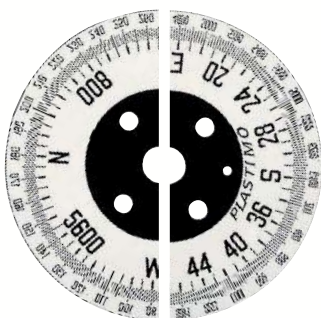


PVC holder
17244



Protection pouch
38184

Navy blue coated canvas outside, for resistance to abrasion. Foam padding inside, for efficient protection against shocks. Stainless steel press-stud closure. Can be worn on a belt (max. width 50 mm), with the grommet designed for the compass lanyard, you can carry your compass around your neck and also use it, with the protection pouch always "tied" to the compass.



MI

Military and field compass applications :

Ar (38179) and Sand (63603) models are available on special request with MILS graduation.

• Graduation in MILS + Degrees :

-

• Graduation in MILS + MILS :

-



Accessories for compasses

Protective covers



For sailboat compasses

For compass	Colour	Reference
A Mini-Contest (before 2009)	White	17308
B Mini-Contest & Olympic 95	White	55402
	Black	55599
C Mini Contest Navman/AdvanSea	White	29361
D Olympic 100	White	17287
- Contest 100	-	17302

For compass	Colour	Reference
E Contest 101	Grey	25332
F Contest 130	White	17296
G Olympic 115	Black	61004
	White	61005
H Olympic 135 black, with screws	Black	29403
	White	29404
I Horizon 135	White	17280

For power boat compasses



For compass	Colour	Reference
- Offshore 90	Black	17630
	White	17668
A Offshore 95	Black	55599
	White	55402



For compass	Colour	Reference
B Offshore 105	Black	14451
	White	14450
C Offshore 115	Black	61002
	White	61003
D Offshore 135	Black	14453
	White	14452

Binnacles

For compass	Colour	Reference
A Offshore 115 /Olympic 115	Black	61000
	White	61001
B Olympic 135	White	10301
	St. Steel	17283
Olympic 135 compensable*	-	42131*
C Horizon 135	White	10300
	St. Steel	17277



*Whitlock binnacle



Lighting

• **Compass manufactured before 2016**
12 V - 1 x 12 V bulb : 17310
24 V - 2 x 12 V bulbs, series mounted : 17310 x 2



• **Compass manufactured since 2016**
12/24 V LED light : 62037
 (including Offshore 115 & Olympic 115 since 2014)

LED lighting :

All Plastimo compasses are now equipped with LED lights providing 70% energy saving and increased resistance to shocks. LED lights also have an increased lifetime and are suitable for both 12 and 24 V power supply. When replacing a bulb, you must absolutely choose the same type of bulb (incandescent or LED) as the one that was originally fitted on your compass.

Compensation

Mini-Contest, Contest 101 & 130, Mini-B, Offshore 75
17673



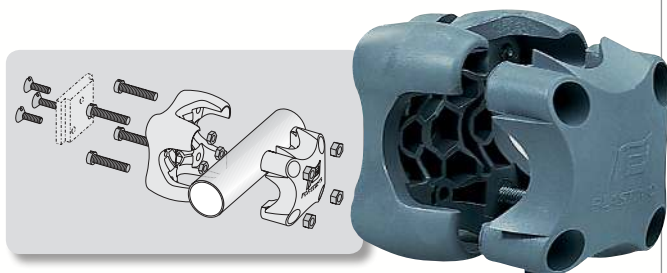
For rail or pushpit mounting



Plasticlip for compass

- Black : 37035
- Light grey : 37036

Ideal to fix compasses Offshore 75 Mini-binnacle, Offshore 75 and Offshore 95 equipped with a bracket.



Bulkhead or dashboard mounting

Brackets



Beyond a simple aesthetic preference, the bracket mounting offers the extra advantage of isolating the compass from the dashboard, thus reducing the potential interference created by other instruments and metallic objects.

Brackets for	Reference
Offshore 70	14444
Offshore 75 grey	39404
Offshore 75 white	55579
Offshore 90 black	17271
Offshore 90 white	17274
Offshore 105 black	17268
Offshore 105 white	17267
Offshore 135 black	17260
Offshore 135 white	17262
Contest 130 black	38473
Contest 130 white	38474

Plastimo answers your questions

I plan to sail in a geographical area different from the zone my compass is designed for. Can I use my current compass ?

All our compasses are balanced manually : with a standard procedure for Zone A models, and using a specific magnetic field simulator for all other area compasses. Balancing the compass consists in adjusting the card so that it is perfectly horizontal. If you sail too far away from the area your compass was originally balanced for, the card will dip and the precision will be affected by a few degrees. For a long passage in a different zone the acquisition of a compass specifically balanced for that area is a wise investment. To select the geographical area where you are going to sail, please consult the map of magnetic zones worldwide.

My boat has a steel or ferrocement hull. Which compass should I choose ?

No compass can answer this specific requirement alone. It is necessary to call for the services of a professional compass adjuster who will set up a compensation system relevant to your boat.

My boat is equipped with a GPS. Is a magnetic compass really useful ?

A magnetic compass indicates the boat's course in real time. This information comes as a complement to the GPS data. Also bear in mind that a magnetic compass remains fully operational even in the event of an electrical failure on board, which would prevent you from relying on your GPS. The magnetic compass is therefore a major safety element on board.

Does my compass need to be compensated ?

Magnetic fields generating interference on the compass performance exist on all boats. The impact on the compass, called "deviation", can originate from many different sources : metallic masses, loudspeakers, engine, electronic instruments...

If deviation ranks between 7 and 20°, your compass should indeed be compensated. Most of our compasses are designed to be user-compensated. Please refer to "Deviation and Compensation" chapter in our catalogue.

Another question ?
most answers to be found on...



Around the world with my compass

UNIVERSAL BALANCE : around the world with one compass

The recent generations of Plastimo compasses are balanced to sail around the world with one single compass.

So much easier for the round-the-world racer or the boater on a world passage, so much simpler too for the boatbuilder who selects one single compass, whatever the final destination of the boat.

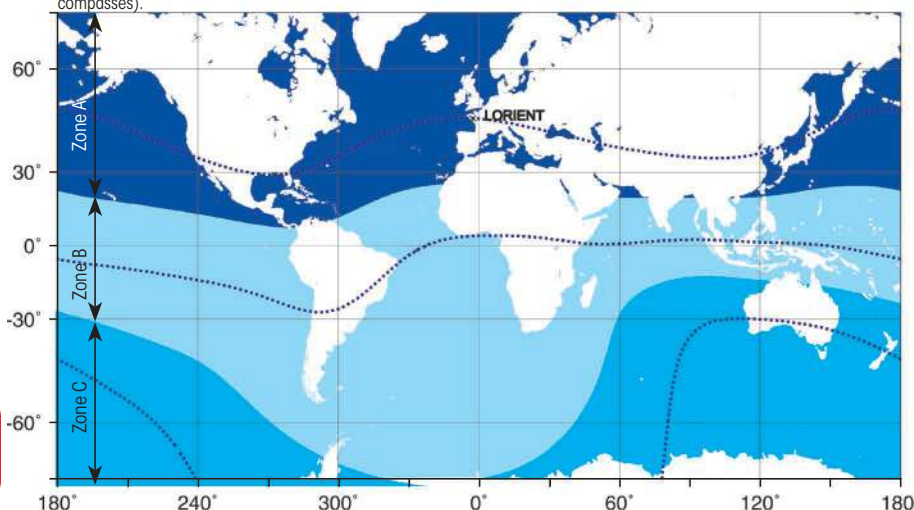
ITALIC references

Universal compass, one single part number to sail around the world.

Zone A North hemisphere (apart from this page, all compass part numbers in our catalogue are Zone A compasses).

Zone B South Atlantic, Indian Ocean, Central Pacific, Tahiti, Reunion Island.

Zone C South Pacific, Australia, New Zealand, New Caledonia.



Description	Zone A	Zone B	Zone C
Offshore 55, bracket mount, black, black card	World : 63854		
Offshore 55, bracket mount, white, white card	World : 63855		
Offshore 55 kayak, orange, black card	World : 63856		
Offshore 75 horizontal flush, black	World : 63857		
Offshore 75 horizontal flush, white	World : 63858		
Offshore 75 vertical flush, black	63859	63859	48843
Offshore 75 vertical flush, white	63860	63860	48847
Offshore 75 mini-binnacle, black	World : 63861		
Offshore 75 mini-binnacle, white	World : 63862		
Offshore 75 basic, mini-binnacle, white, black card	World : 63863		
Offshore 75 basic bracket mount, white, black card	World : 63864		
Offshore 75 bracket mount, black	World : 63865		
Offshore 75 bracket mount, white	World : 63866		
Offshore 95 black, black flat card, flushmount	55370	55371	55372
Offshore 95 black, black conical card, flushmount	55373	55374	55375
Offshore 95 black, black flat card, bracket	55376	55377	55378
Offshore 95 black, black conical card, bracket	55379	55380	55381
Offshore 95 white, black flat card, flushmount	55382	55383	55384
Offshore 95 white, black conical card, flushmount	55385	55386	55387
Offshore 95 white, white conical card, flushmount	55388	55389	55390
Offshore 95 white, black flat card, bracket	55391	55392	55393
Offshore 95 white, black conical card, bracket	55394	55395	55396
Offshore 95 white, white conical card, bracket	55397	55398	55399
Offshore 105 black, black flat card	World : 65004		
Offshore 105 black, black conical card	World : 65001		
Offshore 105 white, black flat card	World : 65005		
Offshore 105 white, black conical card	World : 65002		
Offshore 105 white, white conical card	World : 65003		
Offshore 115 black, black flat card	World : 60992		
Offshore 115 black, black conical card	World : 60991		
Offshore 115 white, black flat card	World : 60993		
Offshore 115 white, black conical card	World : 60990		
Offshore 115 white, white conical card	World : 60989		
Offshore 135 black, black flat card	17259	21190	21193
Offshore 135 black, black conical card	23484	23485	23486
Offshore 135 white, black flat card	17261	20436	20440
Offshore 135 white, black conical card	23493	23494	23495
Contest 101 black, black card, standard	World : 64421		
Contest 101 black, black card, inclined bulkhead	World : 64422		
Contest 101 black, red card, std	World : 64416		
Contest 101 black, red card, inclined bulkhead	World : 64418		
Contest 101 white, red card, std	World : 64417		
Contest 101 white, red card, inclined bulkhead	World : 64419		
Contest 101 white, white card, std	World : 64423		
Contest 101 white, white card, inclined bulkhead	World : 64424		
Contest 130 black, black card, std	39669	39670	39671
Contest 130 black, black card, inclined bulkhead	40034	40035	40036
Contest 130 black, red card, std	17291	19296	19299

Description	Zone A	Zone B	Zone C
Contest 130 black, red card, inclined bulkhead	17292	19309	19317
Contest 130 black, red card, bracket	17293	19328	19332
Contest 130 white, red card, std	17294	19844	19854
Contest 130 white, red card, bracket	17295	19868	19871
Mini-Contest black, conical card	55403	55404	55405
Mini-Contest white, conical card	55406	55407	55408
Mini-Contest AdvanSea, black	28976	29021	29022
Olympic 95 flushmount	56978	56979	56980
Olympic 100 flushmount, black card	World : 64763		
Olympic 100 flushmount, red card	World : 64762		
Olympic 115 black, black flat card, std	World : 60997		
Olympic 115 black, black conical card, std	World : 60913		
Olympic 115 black, black conical card, inclined surface	World : 60999		
Olympic 115 white, black flat card, std	World : 60996		
Olympic 115 white, black conical card, std	World : 60912		
Olympic 115 white, black conical card, inclined surface	World : 60998		
Olympic 115 white, white conical card, std	World : 61205		
Olympic 135 black+binnacle, red card	10302	10530	10531
Olympic 135 black+binnacle, black card	14408	14409	14410
Olympic 135 white+binnacle, red card	14078	14416	14417
Olympic 135 white+binnacle, black card	14412	14413	14414
Olympic 135 black, red card	17282	19355	19358
Olympic 135 black, black card	17281	19341	19346
Olympic 135 white, red card	17286	20596	20603
Olympic 135 white, black card	17285	20564	20575
Horizon 135 red card	17279	21442	21449
Horizon 135 black card	17278	21417	21425
Olympic tactical	17250	18991	18998
Contest 101 tactical	World : 64425		
Iris 100 tactical, blue	World : 63867		
Mini-C black	World : 63868		
Mini-C white	World : 63869		
Mini-B Olympic	17233	20161	20164
Doris compass	17245	21494	21501
Iris 50 blue	63870	63870	21809
Iris 50 yellow	63871	63871	24049
Iris 50 turquoise	63872	63872	38177
Iris 50 olive green	63873	63873	38181
Iris 50 orange	63599	63599	63600
Iris 50 sand	63603	63603	63604
Iris 100 blue	World : 63874		
Iris 100 blue + lighting	World : 63875		
Iris 100 yellow	World : 63876		
Iris 100 yellow + lighting	World : 63877		

Rules & dividers



Traditional British dividers

Manufactured in brass with stainless steel tips, highly polished. Friction adjustment. Packed in protective PVC wallet.

Model	Size	Ref.
Straight	17 cm	10556
	20 cm	60911
Single handed	17 cm	10558
	20 cm	10559

Divider holder

17118

For dividers up to 20 cm.
Divider sold separately.



Nautical plotter

29521

Extremely simple to use, with easy to follow legend. Its fixed silk-screened graduations ensure many years of accurate reading. Dimensions : 33 x 12 cm.



Square protractor

Can also be used as a simple parallel rule and plotter. Supplied in card wallet with instructions.

- **13 cm : 10561**
- **20 cm : 10562**



Triangular protractor

29522

Plot course and distance, celestial LOPs or true bearings. Graduated in cm along its hypotenuse, in degrees on the two other sides. Dimension along hypotenuse : 25 cm.



One-arm protractors

Single arm plotters for laying down and transferring position lines and bearings. Movable arm graduated in millimetres.

A. Basic model : 29523

B. Model with pivoting disc : 10560

The pivoting disc enables magnetic variation to be set on the instrument. Supplied in card wallet with operating instructions.



Parallel rules

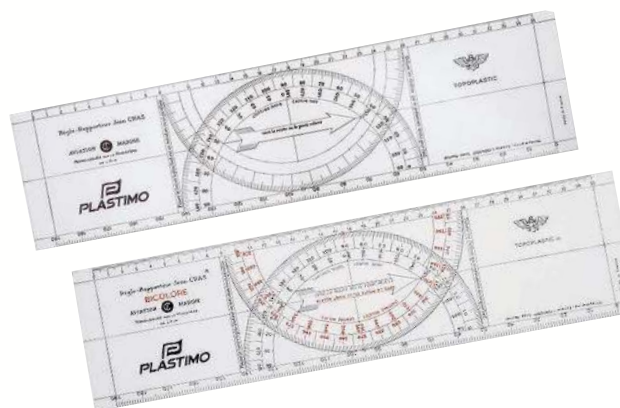
Tough, accurate navigational instrument with non-slip rubber pads. Captain Fields most popular design.

Red scale, (cardboard packaging)

- **30 cm : 10552**
- **38 cm : 10553**
- **46 cm : 10554**

Black scale, (plastic bag packaging)

- **38 cm : 10555**



Cras navigation plotters

Dimensions : 38 x 10 cm.

Features 2 scales.

- **Black graduation : 29519**
- **Two-colour graduation : 29520**

Made in France.

Code of signals

Set of signals

17143

French text.
Dim. : 40 x 32 cm.



Disc of signals

17144

French text. Ø 22 cm.



17143



17144

Fishfinders

Handheld fishfinders

Echofish 300 & 400

These innovative fish finders offer all the features of an installed fishfinder, but with the benefit of portability. Available in handheld or floating sensor versions, the Echofish will provide accurate information whatever the application : in a kayak, a boat or from the shore.

Compact and handy, their internal batteries make them easy to transport and operate from the shore, or afloat without the need of a main 12 V supply. The Echofish 300 and 400 are splashproof to IPX4.

Echofish 300

• With floating sensor : 56732

Both versions are supplied as standard with fixing bracket.

- Separate transducer with backlit graphic screen
- 42 x 48 mm FSTN, 128 x 64 pixels.
- 200 kHz sensor with 45° beam.
- Ultra-light splashproof (IPX4) case : 200 g, including batteries.

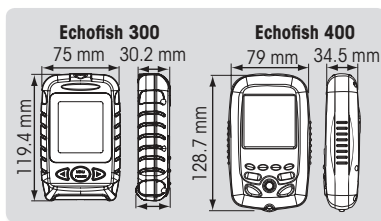


Echofish 400

With floating sensor : 57501

Supplied as standard with floating sensor, 8-m cable and fixing bracket. The same features as top-end models, with a high resolution display.

- Separate transducer with backlit 47 x 47 mm display. Graphic LCD 16-level greyscale display, 160 x 160 pixels.
- 200 kHz / 83 kHz dual frequency fishfinder with 20°/60° beams.
- Ultra-light splashproof (IPX4) case : 187 g, including batteries.



Spare accessory



Floating/transom sensor : 56862

Supplied with 8-m cable and fixing bracket. Suitable for Echofish 300 & 400

Handheld sensor version



On boat



On the seashore



Fixed to the boat hull



Floating

Echotest II « SIMPLE & RELIABLE »

« Equally suitable for diving applications, the Echotest is a real impulse depth sounder watertight to 50 m in a robust casing. (...) Very easy to use : just dip the instrument in the water vertically for a few seconds, with the power switch on. Depth is shown in metres on the LCD display. We checked the indication vs. the data from our regular depth sounder : the Echotest depth indication reflects reality perfectly »

Moteur Boat Magazine, August 2014.



Echotest II depth sounder 38074

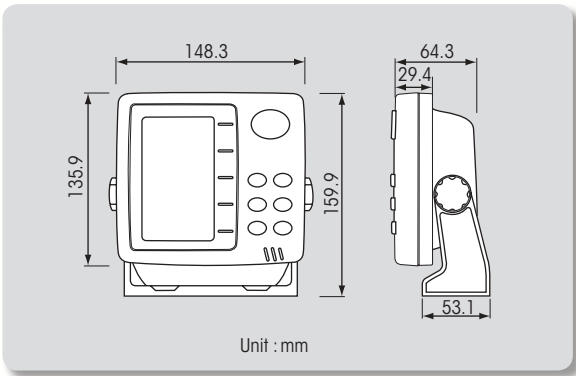
Small handheld depth sounder, of extremely simple operation, particularly intended for pneumatic or dinghy sailors. Equally useful to scubadivers : it gives depth indication relative to the bottom, distance to a rock or to an underwater quay. Totally waterproof, the Echotest II sounds up to 80 metres, and can be used at a maximum depth of 50 metres. Echotest operates only when immersed.



- Frequency : 200 kHz.
- Depth range : from 1 m to 80 m (3 to 240 ft).
- Display : LCD, 7 segments, LED backlighting.
- Power supply : rated for 500 readings from one 9 V alkaline battery (6 F 22).
- Consumption : 70 mA.
- Waterproof up to 50 m depth.
- Dimensions : Ø 42 x Length 198 mm.
- Weight : 300 g.



Echofish fixed fishfinders



Echofish 820 60827

- Large 4.3" (110 mm) TFT LCD display, daylight viewable.
- Resolution 480 x 272 pixels.
- Colour display (65536 colours).
- Rugged and waterproof to IPX7 housing.
- True 350 m (1000 feet) capability.
- 6-m cable
- Supplied as standard with 200/50 kHz dual-frequency sensor.

Common features



	Echofish 300	Echofish 400	Echofish 820
Model	Handheld	Handheld	Fixed
Type of LCD	FSTN	FSTN	TFT
LCD diagonal	63.7 mm	66.4 mm	110 mm
Resolution	128 x 64 pixels	160 x 160 pixels	480 x 272 pixels
Display	4-level grayscale	16-level grayscale	65536 colours
Power	4 AAA batteries	4 AAA batteries	12 V
Backlit display	Yes	Yes	Yes
Type of frequency	Mono-frequency	Dual-frequency	Dual-frequency
Sonar frequency	200 kHz	200/83 kHz	200/50 kHz
Beams	45°	20°/60°	12°/35°
Surface explored at 20 m	171 m ²	31 m ² /326 m ²	11 m ² /100 m ²
Maximum depth	73 m	73 m	600 m
Waterproofness	IPX4	IPX4	IPX7
Simulation mode	Yes	Yes	Yes
Weight	200 g with batteries	187 g with batteries	560 g
Type of sensor	Floating or handheld	Floating	Transom



Instruments are the core component of any yacht navigation system. The advanSea S400 series uses cutting edge technology to provide accurate data for cruisers or racers.

- Accuracy, optimal legibility, flexibility and ease of installation are the key benefits of the S400 series, together with easy intuitive operation with direct function access.
- LCD screens with wide-angle viewing and super size digits for unmatched visibility. Watertight display facia (IP66) ; displays feature an anti-fogging coating for optimal safety even in extreme conditions.

The S400 series is available with a choice of compatible transducers manufactured by Airmar or Plastimo. The instruments can also operate as 'stand alone' with intelligent transducers or an NMEA0183 source.

DEPTH HI-PERFORMANCE DEPTH SOUNDER
GIANT DIGITS (45 MM)



FEATURES

- Depth : 0.5 to 199 m* (1.6 to 652 ft) with keel offset.
- Depth trend indication.
- Deep and shallow alarms.
- Low battery alarm.
- Simulation mode.

*Depends on transducer

	Ref.
DEPTH S400 with Airmar transducer	63756
DEPTH S400, instrument only	57748

Supplied with weather cover.

See page 333 for transducers.

OPTIONAL EXTRA

Connection bus box (proprietary bus) 57765

AdvanSea Bus : Each S400 instrument features AS-1 Bus. This Half Duplex single-cable bi-directional 38400 baud Bus, enables extremely fast and reliable exchanges between all S400 instruments on board. Up to 20 S400 instruments can be connected to this network.

In addition, the AdvanSea AS-1 junction box (ref. 57765) facilitates the data transfer between 3 AdvanSea instruments through the AS-1 Bus, and allows NMEA connection to or from the instruments.



Lock in screw collar requires no tools to secure to bulkhead

Watertight gasket



SAILING INSTRUMENTS

S400 SERIES



SPEED

LOG-SPEEDO GIANT DIGITS (45 MM)

Delivers all speed, distance, time and temperature data, together with countdown function.

FEATURES

- Water speed : 0-60 knots, 0-69 mph, 0-111 km/h.
- GPS speed if connected to compatible (NMEA0183) navigator.
- Total and trip log.
- Elapsed time and countdown race timer.
- Water temperature.
- Speed trend indication.
- Surface speed high and low alarms.
- Low battery alarm.
- Simulation mode.

See page 333
for speed transducers.

Ref.

SPEED S400 log-speed with Plastimo transducer	63757
SPEED S400 log-speed, instrument only	57749

Supplied with weather cover.



MULTI

ALL THE FUNCTIONS OF S400 DEPTH AND SPEED

Choice of data displayed on 2 lines.

FEATURES

- Lower line : 22 mm high digits.
- Upper line : 32 mm high digits.
- Depth and speed trend indication.
- Proprietary Bus interface and NMEA0183 input/output.
- Simulation mode.

See page 333 for depth
& speed transducers.

Ref.

MULTI S400 with transducers	63758
MULTI S400, instrument only	57750

Supplied with weather cover.



WIND

ALL ESSENTIAL WIND
DATA ON A DIGITAL
DISPLAY

FEATURES

- Instant wind direction information in analogue and digital display.
- Data displayed on 2 user-settable lines (upper line 32 mm high, lower line 22 mm high).
- Proprietary bus interface and NMEA0183 input/output.
- Wind speed (0 to 199 knots).
- Wind direction through 360°.
- Wind trend indication .
- Apparent and true* wind angle and speed.
- Wind direction at 1° resolution.
- VMG speed.
- Wind speed alarm.
- Low battery alarm.
- Simulation mode.

* if connected to speedometer delivering surface speed.

	Ref.
WIND, complete with masthead unit + 25 m cable	57751
WIND, instrument only	57752

Supplied with weather cover.



WIND-a

WIND DIRECTION INDICATION
ON A 360° ANALOGUE DISPLAY

Same features as WindS400 model.

FEATURES

- Proprietary bus interface and NMEA0183 input/output.
- Simulation mode.

	Ref.
WIND-a, complete with masthead unit + 25 m cable	57753
WIND-a, instrument only	57754

Supplied with weather cover.

SPARE PARTS WIND

- 25 m mast head cable : 57763
- Wind vane : 58707
- Wind cup : 58706
- Bearing kit for cups : 62345
- Bearing kit for windvane : 63482

AdvanSea masthead transducer unit

High quality design incorporating precision bearings
and aluminium cantilever arm.

Sensitivity threshold is very low to ensure an optimum accuracy
even in light winds. Balanced wind vane for increased accuracy
and stability at heel. Sturdy construction and watertight
connector. High quality design incorporating precision bearings
and aluminium cantilever arm.



	Ref.
AdvanSea masthead transducer unit with 25 m cable	57761
AdvanSea masthead transducer unit, instrument only	57762

SPECIFICATIONS

S400



DEPTH



MULTI



SPEED

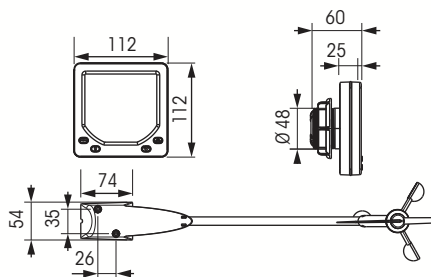
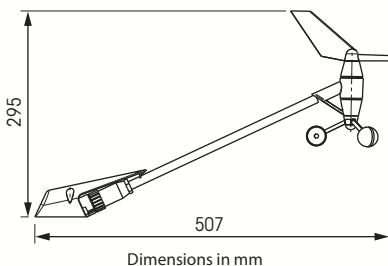


WIND



WIND-a

COMMON FEATURES					
External unit dimensions	112 x 112 mm		112 x 112 mm		
Operating voltage	10 V to 16.5 V		10 V to 16.5 V		
Display power consumption	Below 150 mA Incl. backlighting		Below 150 mA Incl. backlighting		
Operating temperature	-10 to + 50° C		-10 to + 50° C		
Storage temperature	-20 to + 60° C		-20 to + 60° C		
Mounting	Flush mount		Flush mount		
Drilling Ø	48 mm		48 mm		
Fixing	Rear locking collar		Rear locking collar		
"O" ring for bulkhead mount	Yes		Yes		
Buzzer/external alarm output	Yes / Yes		Yes / Yes		
Screen	Monochrome LCD, TN technology (Twisted Nematic)		Monochrome LCD, TN technology (Twisted Nematic)		
Backlit keys	Yes		Yes		
Backlit screen	Yes, amber, 5 levels (Off, 1, 2, 3, 4)		Yes, amber, 5 levels (Off, 1, 2, 3, 4)		
Anti-fogging screen	Yes		Yes		
LCD	Transflective		Transflective		
Waterproof rating	IP66 front face		IP66 front face		
Intuitive menu	Yes		Yes		
Weather cover	Yes		Yes		
Simulation mode	Yes		Yes		
INSTRUMENTS SPECIFIC FEATURES					
Depth range	0.5 to 199 m		-	-	-
Water speed	-	0 to 60 knots		-	-
Depth speed	-	Yes if connected through NMEA0183		-	-
Wind speed	-	-	-	0 to 199 knots	
Wind direction	-	-	-	0 to 180° Port-Starboard 0° / 359°	
True wind	-	-	-	If connected to speedometer with surface speed	
Depth resolution	0.1 m from 0 to 19.9 m / 1 m from 20 to 199 m		-	1° in direction	
Speed resolution	-	0.01 knt from 0 to 19.99 knt / 0.1 knt from 20 to 60 knt		0.1 knt from 0 to 19.9 knt / 1 knt from 20 to 199 knt	
Display damping	1 - 30 steps		1 - 30 steps		
NMEA0183 input ports	1		1		
NMEA Input sentences	Speed : VHW/VTG/VLW/MTW/RMC - Depth : DPT / DBT Multi : VHW/VTG/ DPT/VLW/ MTW/ RMC/ DBT		VHW / VTG / MWV / RMC / VWR		
NMEA0183 output ports	1		1		
Output sentences	DBT/ DPT	VHW/ VLW/ MTW/ DBT/ DPT	VHW/ VLW/ MTW	VPW / MWV / VWR	
Proprietary bus	Half-Duplex series connection (38400 bauds on one wire)		Half-Duplex series connection (38400 bauds on one wire)		
Countdown	-	Yes	Yes	-	
Digits size	45 mm	45 mm	Upper line : 32 mm Lower line : 22 mm	Upper line : 32 mm Lower line : 22 mm	
Units	°F & °C - Feet - Metres - Knots - Km/hr - Miles/hr - V - Miles - Km		Degrees - M/s - Beaufort - Knots - Km/hr - Miles/hr - V		
Alarms	High & low depth / Low battery	Deep & shallow speed/ High & low depth / Low battery	Deep & shallow speed / Low battery	Strong wind / Low battery	



SPARE PARTS S400

- Protective cover :
57764
- 8-pin LT8 female connector to
8-pin LT8 male connector.
10 m : 57869

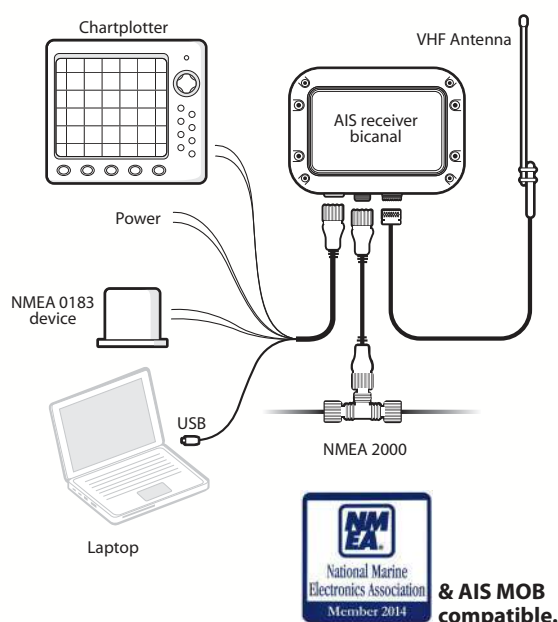


Improve your safety at sea with advanSea AIS.

Receive AIS broadcasts from other vessels and display their location speed and heading on your GPS Plotter or PC.
All advanSea GPS plotters are AIS interface ready.

What is AIS ?

The AIS system, Automatic Identification System, enables the automatic exchange of navigation data such as position, MMSI number, course, speed etc. over the marine VHF digital network.



AIS RX-110 Receiver

The RX-110 outputs the received AIS data transmitted by vessels with class A and B transponders on the VHF network.

NMEA 0183
USB
NMEA 2000

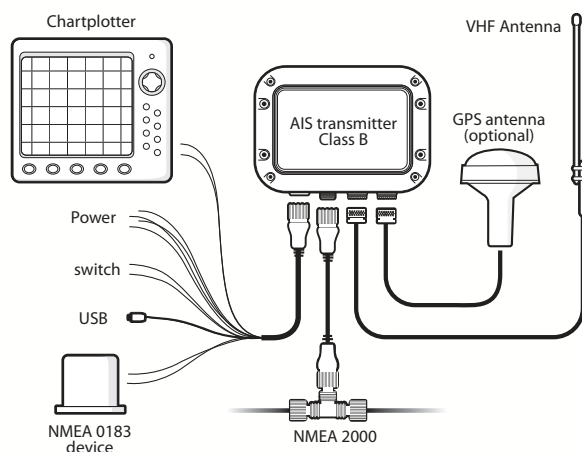


Ref.

RX-110 AIS receiver

61905

AIS TR-210 Transceiver



See and be seen.

This Class-B AIS transceiver module enables both the transmission and reception of AIS data from your boat.

Your vessel identification data is programmed into the TR-210 using the software and cable included with the transceiver. The TR-210 AIS transceiver output connects to your GPS/Plotter via the NMEA 0183 or NMEA 2000 (depending on instrument compatibility) interface and to your PC through the USB connector.

The TR 210 has an internal GPS antenna providing vessel position data to the AIS transmitter.

An external GPS antenna can be connected if necessary (ref. 62173).

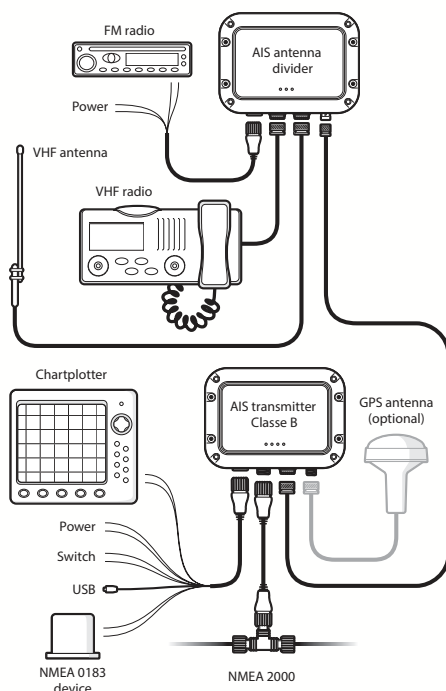
NMEA 0183
USB
NMEA 2000



Ref.

TR-210 AIS transceiver

61904



AIS SPLIT-110

VHF Splitter

Enables the simultaneous use of the vessel's installed marine VHF radio and an AIS transmitter or receiver via a single VHF antenna.



Ref.

61906

SPLIT-110 AIS splitter

SPECIFICATIONS	AIS RX-110	AIS TR-210	AIS SPLIT-110
Dimensions	140 x 100 x 42 mm (L x W x H)	140 x 100 x 42 mm (L x W x H)	140 x 100 x 43 mm (L x W x H)
Weight	250 g	250 g	250 g
Power	2 to 24 VDC - Power consumption : 200 mA@12VDC	12 to 24 VDC - Power consumption : 170 mA@12VDC	12 to 24 VDC - Power consumption : < 150 mA@12VDC
Electrical interfaces	NMEA 0183, 38400 Baud (output), NMEA 0183 4800 Baud (input) - USB - NMEA 2000®	NMEA 0183, 38400 Baud (output), NMEA 0183 4800 Baud (input) - USB - NMEA 2000®	VHF antenna output (SO239 connector) - VHF radio input (SO239 connector) - AIS input (BNC connector)
Supplied with	Power, NMEA 0183 & USB cable - User manual - Quick start guide - Warranty card - CD & Fixing screws.	Power, NMEA 0183 & USB cable - User manual - Quick start guide - Warranty card - CD & Fixing screws.	Power cable - VHF radio interface cable - AIS interface cable - User manual - Quick start guide - Warranty card - CD & Fixing screws.
User interface	2 LED indicators for power and AIS message reception	4 LED indicators for power, transmit timeout, Error and Silent mode	3 LED indicators for power, VHF and AIS transmission
Operating temperature	-25 °C to +55 °C	-25 °C to +55 °C	-10 °C to +55 °C
Waterproofness	IPX7.	IPX7.	IPX7.

AIS SART

Automatic survival device

Ship or liferaft rescue location device. It transmits a locating signal which is received by all AIS-equipped vessels within range, enabling any of those vessels to home in and offer assistance.

AIS SART transmits target survivor information including alerts messages, GPS position information, course, speed and serialised identity number.

Supplied with 1 m pole mount, 10 m buoyant lanyard, mounting bracket (mounts to bulkhead or horizontal/vertical pole), user manual, quick start guide, storage bag & fixing screws.



- Buoyant
- Waterproof IPX8
- Operational battery life : 96 h minimum
- Battery type : lithium
- Battery lifetime : 5 years
- Reception frequency : Channel 1 : 161.975 MHz Channel 2 : 162.025 MHz
- Operating temperature : -20 °C to 55 °C
- Dimensions : 381 x Ø 67 mm
- Weight : 250 g
- International approvals



Ref.

AIS SART

61907

NMEA 2000® interface

- Combo C.56 & GPS T.56 : NMEA2000 & NMEA0183
- GPS T.50 : NMEA0183

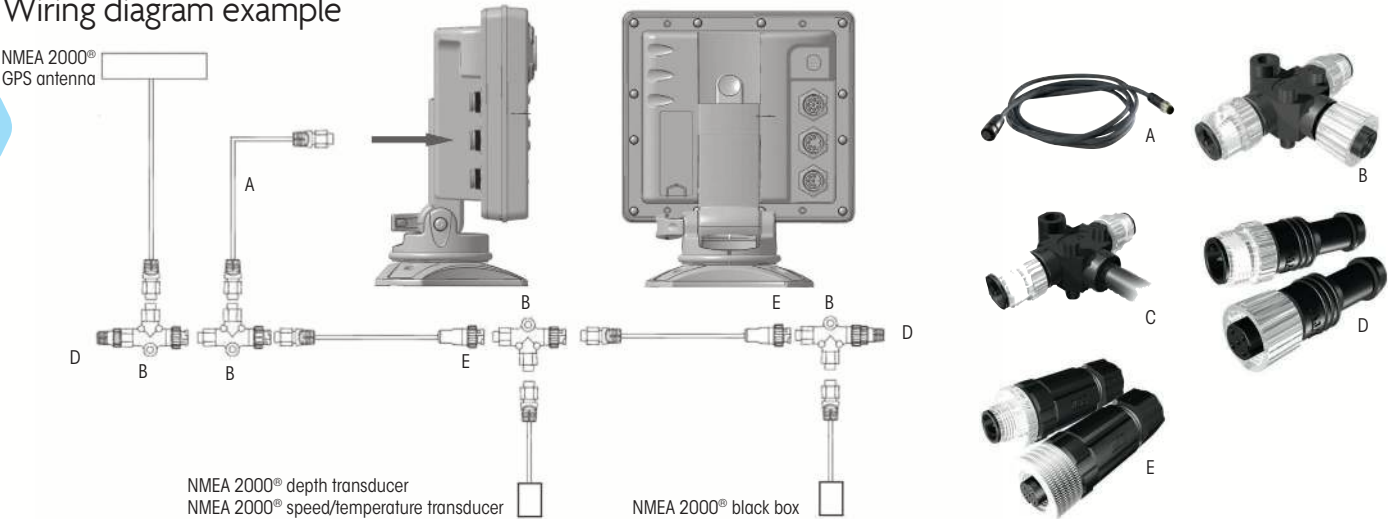
Increasing numbers of embedded systems communicate through the NMEA 2000® standard. AdvanSea T.56 GPS and C.56 Combo can integrate an NMEA 2000® existing network, and receive data from various transducers.

With this interface, you can display the engine analogue data and fuel level on different screens anywhere on the boat. NMEA 2000® has a significantly higher data rate, 50 times faster, than NMEA 0183 and allows a totally secure binary transfer of data (CAN bus base). An NMEA 2000® network requires cables and standard connectors.

Cables and connectors for NMEA interface

For instrument	NMEA 2000® accessories	Reference	Description	
T.56 GPS C.56 Combo	NMEA 2000® cable	58494	Display / NMEA 2000® network connector. 2-m cable.	A
T.56 GPS C.56 Combo	T connector for NMEA 2000® network	58499	Male / Female / Female connector	B
T.56 GPS C.56 Combo	Power cable for NMEA 2000® network	58495	Female / Female connectors. 8-m cable	C
T.56 GPS C.56 Combo	Termination resistors for NMEA 2000® network	58500 58501	Male connector Female connector	D
T.56 GPS C.56 Combo	Field connectors for NMEA 2000®	58498	Female connector	E

Wiring diagram example



Advansea Accessories

For T.50, T.56, C.56



• **Power & data cable, 1.5 m : 58651**



• **Protective cover : 57746**



• **Swivelling Mounting Bracket : 57747**



• **8-pin LT8 female connector to 8-pin LT8 male connector. 8-pin LT8 10 m : 57869**

For C.56 :



• **Y adaptor for 8-pin Speed plug to 6-pin Depth plug and 6-pin transducer plug : 47878**



• **Extension cable from 6-pin transducer plug to 6-pin instrument plug. 4 m : 49516**



- **GPS antenna : 57744**
GPS antenna with cable and BNC plug.
- **Antenna mounting base : 57745**



- **Plasticclip for VHF/GPS antenna : 58113**
Standard pushpit mount. Suitable for all VHF or GPS antennas (AdvanSea and other brands).
Features : 1 Plasticclip, to be adapted on any tube Ø 18.5 mm to 25.5 mm & 4 st. steel screws and nuts.



- **Plasticclip bracket holder : 58310**
For T.56 and T.50 GPS, and C.56 Combo.
Features : 1 Plasticclip, to be adapted on any rail Ø 18.5 to 25.5 mm, designed to fit bracket-mount instruments, 2-mm thick plate, 316 st steel.
Supplied with 7 st. steel screws and nuts.

TRANSDUCERS

FOR S400 and some Navman instruments*

Depth transducers 200 kHz



**Thru-hull, fixed
Airmar P319
mono-frequency
61669**

200 kHz, beam width 12°. Plastic body. Drill Ø 51 mm. 9m cable. RCA connector. Max. 200 m.

* Compatible with Navman Multi & Depth 100 and 3100

Option

- 4m extension cable from phono-terminated plug to phono-terminated instrument (for Multi & Depth) : **26020**



Speed/temperature



**Thru-hull, 45 knots
Airmar ST850
57768**

Removable thru-hull fitting. Anti-return valve. Drill Ø 51 mm. 9 m cable. LT8 connector.



**Thru-hull, 45 knots
Airmar B17
47552**

Bronze thru-hull fitting. Anti-return valve. Drill Ø 51 mm. 9 m cable. LT8 connector.



**Sensor 30 knots
40640**

Removable plastic thru-hull fitting. Drill Ø 51 mm. 8 m cable. LT8 connector.

**MADE BY
PLASTIMO**

Accessories

- Thru-hull paddle wheel : **17408** for Plastimo transducer 40640 Ø 51 mm
- Thru-hull only : **61901** for Plastimo transducer 40640 Ø 51 mm



FOR C.56 and some Navman instruments**

Depth transducers 50/200 kHz



**In-hull puck,
Airmar P79 dual-frequency
54940**

50/200 kHz, beam width 45/12°. 10 m cable. LT6F connector. Compensation up to 22° of slope.



**Plastic thru-hull,
Airmar P319 dual-frequency
58416**

50/200 kHz, beam width 45/12°. Drill Ø 51 mm. 10 m cable. LT6F connector. Max. 350 m.

Transom/tri-function

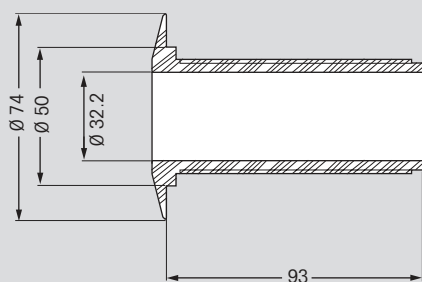


**Transom mount Airmar P58
Dual-frequency/speed/temp.
57769**

50/200 kHz. Beam width 45/11°. 10 m cable. LT6F connector. Max. 350 m.

- ** Thru-hulls 54940, 58416 & 57769 also compatible with Navman instruments :
- Fish 4500 / Fish 4600 and superior models
 - Trackfish 6500 / Trackfish 6600 and superior models
 - 8084 & 8120

Thru-hull for sensor 40640



Dimensions in mm

VHF radios

Fixed-mount VHF



64947

FM 25 W marine VHF
Class D / built-in GPS & AIS



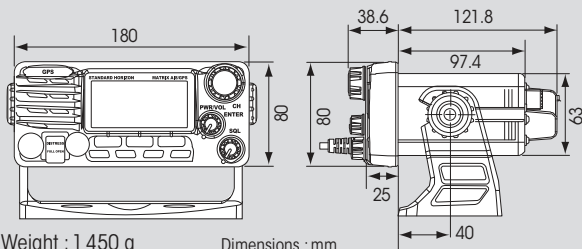
GX2200E VHF

64947 (European version)

Waterproof VHF with integrated GPS and AIS : the perfect instrument in high traffic areas. Clear and crisp display of AIS data on 34 x 70 mm (1.8") screen.

- Integrated GPS antenna
- Integrated dual channel AIS receiver (Automatic Identification System)
- AIS target display : MMSI, call sign, ship name, bearing, distance, SOC and COG
- Contact AIS ship with DSC
- Collision avoidance alarm (CPA)
- AIS 38400 output to GPS plotter
- DSC distress call, Individual, Urgency, Safety, Position Report and Send calls.
- Separate Channel 70 receiver allows permanent DSC watch
- Enter, Save and Navigate to waypoints with Compass page
- Navigation data shown on display (LAT/LON, SOG and COG)

- **Waterproof front facia** : IPX7 protection rating
- ClearVoice noise cancelling speaker microphone
- Microphone with channel selection and 16/9 key
- Oversized rotary channel knob with push-to-enter, backlit display and keys
- 30 W loud hailer / fog horn with pre-programmed fog signals and listen back
- User customisable soft keys for easy menu operation
- E20 (Easy To Operate) menu system
- 12 V power supply



Weight : 1 450 g

Dimensions : mm

64946

FM 25 W marine VHF
Class D / DSC-ATIS



GX1300E VHF

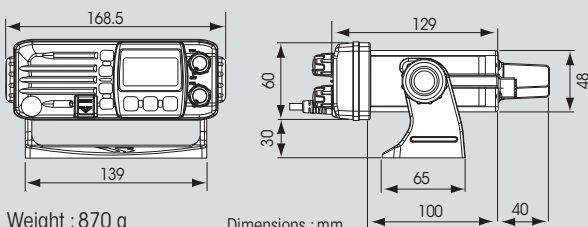
64946 (European version)

Waterproof and compact, very intuitive operation with icon menu system.

Large 31 x 55 mm display.

All essential features crammed in an affordable VHF radio.

- **Waterproof front facia** : IPX7 protection rating
- 3 programmable soft keys below display
- Separate Channel 70 receiver
- Full dot matrix display (viewable image 31 x 51 mm) with GPS position and time when interfaced with external GPS receiver
- DSC distress call, Individual, Urgency, Safety, Position Report and Send calls.
- Programmable scan and priority scan, dual watch
- NMEA In and Output connections to a compatible GPS chart plotter
- Microphone with key to Channel 16, channel selection and high/low output
- ATIS function
- Class D amplifier
- 12 V power supply



Weight : 870 g

Dimensions : mm

Handheld VHF

SX-200 & SX-300 : compact handheld VHF providing outstanding transmit and receive performance.

Floating !



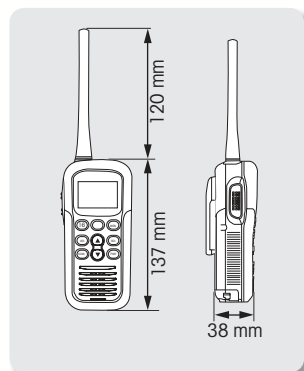
VHF SX-300

58593

The SX-300 handheld VHF floats and has a compact design with corrosion-resistant construction for use in harsh conditions

- Floating.
- R&TTE approval.
- ATIS mode for inland waters.
- High-resistance compact design.
- Large backlight keys.
- Large backlight LCD display (36 x 24 mm).
- Height : 137 mm without antenna.
- Cigarette-lighter charger (without holder).

The SX-300 VHF comes as standard with all accessories : charger, cable, belt clip, Li-ion battery pack.



Accessories & spare parts

- Mains adapter : **60830**
- Antenna : **61207**
- Li-ion battery : **61208**
- Charger cable : **60831**



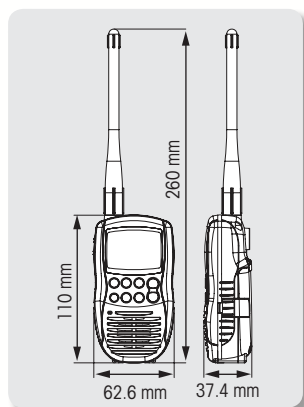
VHF SX-200

56724

Extremely compact and lightweight, the SX-200 features a large 36 x 25mm display making it easy to operate.

- Ergonomic design and rubber coating for a perfect hold.
- Lightweight : 241g including battery.
- Large 36 x 25 mm backlight display.

The SX-200 handheld VHF comes as standard with all accessories : desk charger with holder, 12V cigarette-lighter adaptor, belt clip and Li-ion battery pack.



Spare parts

- Antenna : **56759**
- Li-ion battery : **56755**
- Belt clip : **56758**
- Cigarette plug 12 V : **57515**
- Desktop charger : **56756**
- 240 V-12 V mains adapter : **56757**

Specifications	SX-300	SX-200
Waterproofness	To IPX7	To IPX7
Transmit power	1 ou 5 W	1 ou 5 W
VHF channels	INT, 99 private channels, list of favourite channels	INT, 99 private channels, list of favourite channel.
Mode	Simplex-Duplex	Simplex-Duplex
Battery	Li-Ion pack, 1300 mAh	Li-Ion pack, 1200 mAh
Battery life	11 h (25 h in watch mode)	10 h (25 h in watch mode)
Consumption	Stand-by = 40 mA - RX = 250 mA - TX = 1500 mA/5 W	Stand-by = 40 mA - RX = 190 mA - TX = <1.5 A /5 W, 0.7 A/1 W
Backlight display and keys	Yes	Yes
Unscrewable antenna	Yes	Yes
Double watch	Yes	Yes
Keylock	Yes	No
Weight (incl. battery)	272 g	241 g

Handheld VHF



HX870E handheld VHF

64948 (European version)

6 W marine floating handheld VHF / built-in GPS & strobe light / DSC-ATIS.

The only VHF on the market which transmits a DSC distress call with your vessel's position and features a water activated SOS strobe light.

Oversized LCD (43 x 42 mm) and very intuitive operation with icon menu system.

Suitable for use at sea and in inland waterways.

DSC function. IPX8 submersible waterproof rating (1.50 m deep for 30 min).

High capacity Li-ion battery (1800 mAh).



- Integrated 66 channel GPS receiver
- 1 W / 2W / 6 W transmit power options
- 3 programmable soft keys below screen
- DSC and ATIS functions
- DSC distress call, individual or group call, position sharing and transmission
- Navigation data shown on display (lat/long, COG and SOG)
- Water activated SOS strobe light and MOB feature
- Powered by 1800 mAh lithium-ion battery or battery pack (5 x AAA alkaline batteries)
- Recharges in 3 hours from the mains or from 12 V cigarette lighter socket
- USB data port – NMEA output and data loading
- Dimensions : 62 x 138 x 43 mm (L x H x D)
- Weight : 322 g
- Includes battery and charger.



World band receiver

ATS 909-X world band receiver 60791

SANGEAN

Fully featured compact and ergonomic world band receiver with navigation and channels setting rotary control. Large LCD display with bright white LED backlight. Accurate tuning possibilities.

Supplied with headphones

- Coverage : FM/AM/MW/SW frequencies. FM : telescopic antenna ; MW/LW : built-in ferrite antenna ; SW : winding wire antenna
- FM frequencies range : 76-108 MHz.
- FM-RDS system with alphanumeric 8-digit channel display.
- Up to 406 presets.
- Tuning methods : direct keypad entry, manual rotary tuning, ATS-Auto scan, auto/manual.
- Favourite channel priority preset.
- 3 alarms : radio, Snooze or HWS (Humane Wake System) buzzer.
- Settings safety lock (for travelling).
- Display dimensions : 3.3" x 1.9" (8.40 x 4.80 cm)
- Connection : Jack stereo output for earphones. Auxiliary input. External antenna socket. Inlet for 220 V power unit. Line output (for tape recorder or external amplifier)
- Power : 220 V adapter (supplied). 4 AA 1.5 V batteries (not supplied)
- Dimensions (L x H x D) : 200 x 130 x 30 mm
- Weight (without batteries) : 735 g
- Supplied with : carrying pouch, headphones and winding wire antenna (6 m)



Marine radios

Audio range designed to be specifically used in the marine environment. Enjoy all your favorite songs from your mobile with the built-in Bluetooth module.

UV & salt-fog resistant



FM-RDS/RNT radio with Bluetooth

61892

Digital radio with built-in Bluetooth.

- Frequencies : FM/AM.
- Frequencies range : FM 87.5-108 Mhz (18 memory presets), band 111/L-band.
- Built-in Bluetooth for music streaming directly from your mobile phone.
- Built-in amplifier : 40 W x 4.
- Waterproof face : IPX4.
- Compatible with remote control ref. 61900 (as option).
- USB port.
- 2 x RCA output.
- Subwoofer output.
- Power : 12 V DC (battery).
- Supplied with sun cover.
- Dimensions : 155 x 105 mm.

Option



• Remote control
61900
6 m cable



FM-USB Bluetooth radio

65220

- 3" TFT display
- Frequencies : FM 87.5-108 Mhz, AM 522-1620 kHz
- USB port + RCA output
- Power : 12 V DC (battery)
- Built-in amplifier : 4 x 40 W
- Watertightness: IPX5
- Video in-put
- Cut-out dimensions : Ø 80 mm
- Supplied with remote control



Sold in pairs.

80 W speakers

64275

- IPX6
- White plastic, UV resistant construction.
- Nominal impedance : 4-Ohm.
- Overall Ø : 180 mm
- Drilling Ø : 145 mm



Bluetooth speakers

64958 : Black/Master

64960 : Black/Slave

64957 : White/Master

64959 : White/Slave

Sold in pairs.

- White plastic, UV resistant construction
- Waterproof IPX4
- UV & salt-fog resistant
- Bluetooth range : 10 m
- Marine coaxial audio system with 2 waterproof outputs (6.5" - 16.5 cm)
- Power : 75 W RMS (peak : 150 W) with external amplifier
- 20 W RMS built-in amplifier for each speaker
- Tweeter : 20 mm

- Possibility to connect 3 pairs of "Slave" speakers by each "Master" speaker
- Power : 12 V DC (battery)
- 1 Bluetooth output and 2 wired outputs (amplified and non-amplified)
- Speaker range between "Master" and "Slave" : around 20 m.
- Overall Ø : 185 mm
- Drilling Ø : 130 mm
- Built-in depth : 75 mm



Mains adaptor
60830



Universal USB/MP3 cable
61899

Output for MP3 player or external audio device.
Audio jack (RCA). 3 m cable.
UV resistant.

Stay tuned on board

SCANSTRUT
INSTALLATION SOLUTIONS FOR MARINE ELECTRONICS™

USB waterproof charger

65324

Waterproof on board charge socket, dual USB.
Dual socket will connect and charge devices including phones, tablets, chart plotters, ...
Easy flush mount in the dashboard, direct connection to the board 12V circuit.
Ergonomic, easy to open and close, even with gloves on.
Dimensions : 80 x 56 x 55 mm (L x W x H), cut-out Ø 29 mm.

- **IPX4 waterproof with cover closed.**
- UV resistant.
- Internal anti-corrosion protected.
- 316 stainless steel hinge and spring.
- Input voltage : 6V-30V DC.
- Output voltage : 5V.



USB cable

64577

Charge/Sync. cable, 100% waterproof.
Tough plugs & robust connectors.
2 m (6.5 ft) long.
Approved by Apple for use with iPad, iPhone & iPod.



Headphone jack adapter

64244

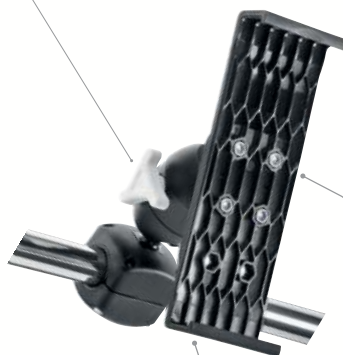


Holders

Multi position mount for tube Ø 25.4 to 33.7 mm. Can be fitted onto curved rails. Corrosion resistant marine grade aluminum, 316 stainless steel and glass filled nylon. Screws included.

- **Fixed holder : 64242**
- **Articulated holder**
Metal, 360° rotation. 270° tilt.
- **Deck mount : 64240**
- **Handrail mount : 64241**

For a complete kit : order ref. 64238 + 64239 + 64243 + 64240 or 64241 or 64242



Mounting example
64241 + 64239 + 64243



Waterproof case

64238

100% waterproof compact case, IP68 rating.
Shockproof and resistant to corrosion.
Non-slip design, anti-glare screen for sunlight viewing.
Comfortable handstrap for ease of use.
Dark-grey colour.
Suitable for iPads 2, 3 & 4.

Surface mount kit

Order a bracket and a plate for a complete kit. Screws included.
Bracket and plate allow to fix an iPad on the holder.

- **Bracket : 64239**
Anodized aluminium.
- **Plate : 64243**



WiFi - 4G

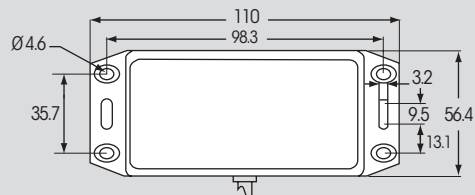
WiFi universal multiplexer 64073

Centralizes all NMEA 0183 data sources into a single stream. Then, the data is transmitted via WiFi and accessible from a wireless device : laptop, tablet or smartphone. Once the instruments are connected, the interface automatically configures itself.



- Built-in supply and data cable : 1 m long ;
- Power supply : from + 9.5 V to +30 V ;
- Power consumption : max. 40 mA (12 V).

advanSea



Dimensions : mm.

Antennas

TV & Radio antennas



Illustrated with optional holder

Omnidirectional TV/FM radio antenna 65026

Top performance large beam antenna, equally efficient for FM radio and optimum digital TV reception. Horizontal and vertical signal polarization improves image reception and display.

Supplied with :

- 10 m coaxial cable.
- 1 m cable to connect the amplifier to the TV.
- Amplifier with waterproof alimentation cable.
- 2 alimentation rings.
- Protection foam for amplifier mounting.
- Terminaison 75 Ohms for amplifier if only one on them is used (cf manual).
- Screws and accessories for amplifier mounting.

- Antenna Ø : 208 mm.
- Height (without holder) : 212 mm.
- Base Ø : 83 mm.
- Gain : 29 dB.
- Power consumption : 12 mA to 61 mA.
- Power supply : 12 V to 24 V DC.
- Outputs : 2 TV / 1 FM.
- Frequency range : DVB - T (440 – 870 MHz).
- Frequency range : FM (87.5 – 108 MHz).
- Impedance : 75 Ohms.
- Polarization : linear.
- Angle of reception : 360°.

Accessory



**Omnidirectional TV/FM radio
antenna holder
65036**
Base Ø : 186 mm.
Base height : 72 mm.
Holder + base height : 244 mm.



65021

Compact omnidirectional TV antenna 65021

Compact slim design antenna with ASA body, suitable for all types of boats. Large beam provides optimum digital TV reception.

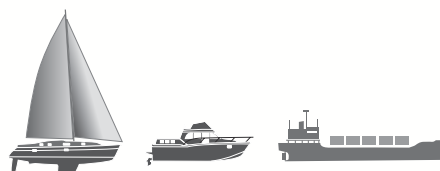
Supplied with :

- 10 m coaxial cable.
- Holder for surface mounting.
- Protection foam for surface mounting.
- 3 screws and 3 nuts.

- Antenna Ø : 74 mm.
- Height : 188,65 mm.
- Width base : 110 mm.
- Gain : 25 dB.
- Power consumption : 13 mA.
- Power supply : 5 V to 24 V DC.
- Output : 1.
- Frequency range : DVB-T (440-870 MHz).
- Impedance : 75 Ohms.
- Polarization : linear.
- Angle of reception : 360°.

Antennas

GLOMEX
The best in marine antennas



4G/WiFi antenna

Webboat Plus antenna 4G/WiFi – Dual SIM

64230

4G/Wifi HSPA + coastal Internet antenna up to 20 miles that allows to have a high speed internet connection by WiFi or Ethernet on your boat.

Easy to install : insert the SIM Card (not included) on the receptacle outside, download the Glomex application and get a 4G signal or WiFi connection, providing Internet for each Web device that you have on board : laptop, tablet, smartphone.



- Antenna dimensions Ø x H : 250 x 300 mm
- Weight : 1.2 kg
- 4G backup WAN function
- Automatic switch WiFi registered networks to 4G.
- LTE 4G up to 100 Mbps in download and 50 Mbps in upload
- DC HSPA+ up to 42 Mbps in download and 5.76 Mbps in upload
- Power supply : 10/30 Vdc
- Supplied without cables

Options

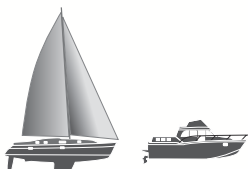


- **St. steel deck support (V9124)**
46790
Ø 25 mm. H. 150 mm.



- **St. steel mast support (V9173TV)**
57480
Ø 25 mm. No threading.

VHF antennas



RA121 low profile VHF antenna **479120**

Compact and aesthetic antenna, designed for all types of boats.

Comes complete with :

- RA132 male connector (474958).
- RG58ALL 9-m coaxial cable (474951).
- Universal mount.

- Frequency range : 156 - 162 Mhz
- Impedance : 50 Ω
- Polarization : vertical
- SRW: ≤ 1.3 to 156.8 Mhz
- Maximum input : 50 W
- Gain : 1 dB
- Weight : 350 g
- Height : 21 cm.



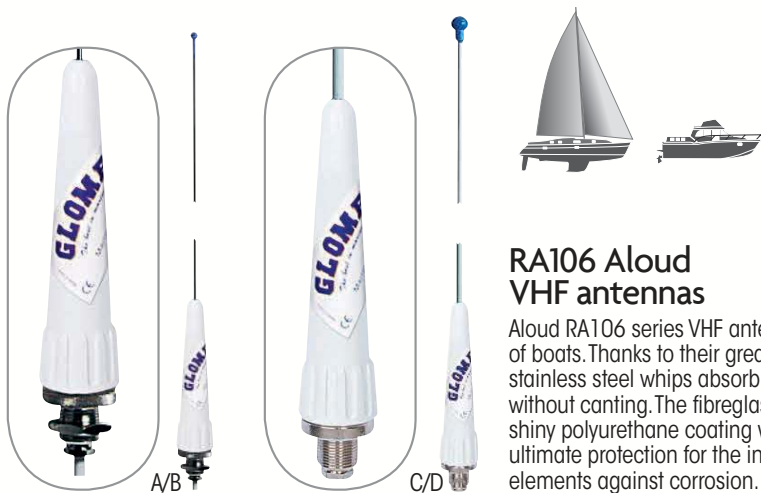
Options



- **St. steel TV antenna support (V9123)**
46789
Ø 25.4 mm (1").



- **St. steel deck support (V9124)**
46790
Ø 25 mm. H. 150 mm.



RA106 Aloud VHF antennas

Aloud RA106 series VHF antennas fit all types of boats. Thanks to their great flexibility, the stainless steel whips absorb physical shocks without canting. The fibreglass version has a shiny polyurethane coating which provides ultimate protection for the internal copper elements against corrosion.

- Frequency range : 156 - 162 Mhz
- Impedance : 50 Ω
- Polarization : vertical
- Length antenna : 90 cm
- Gain : 3dB
- SWR : ≤ 1.3 to 156.8 Mhz
- Max. input : 100 W
- Weight : 180 g

For boats	Type	Description	Ref.	Cable Length	Support	Supplied with
A Sailing boat	RA106grp-sb-25	Fiberglass	46729	25 m	Masthead st. steel	• A waterproof and weldfree special connector for easy and quick installation
B Sailing boat	RA106sls-sb-18	Stainless steel	46733	18 m	Masthead st. steel	• A PVC sleeve gasket RA138PVC (474961) • An RA140 nylon thread feed-thru (474963)
C Motor boat	RA106grp-pb-6-135	Fiberglass	46727	4.50 m	Nylon dual articulation RA135	• A coaxial cable (except on ref. 46727 and 46732) • An RA132 male connector (474958)
D Motor boat	RA106sls-pb-6-135	Stainless steel	46732	4.50 m	Nylon dual articulation RA135	• An RA106 filetage 1"1/4 adaptor (for motor boats only)



Aloud RA109 series VHF antennas

Specifically designed for sailboats. Available with stainless steel or fibreglass whip. Compact and highly performant antennas.

- Frequency range : 156-162 Mhz
- Impedance : 50 Ω
- Polarization : vertical
- SWR : ≤ 1.3 to 156.8 Mhz
- Maximum input : 100 W
- Gain : 3 dB
- Weight : 180 g
- Size : 90 cm

Type	Description	Ref.	Supplied with
A RA109GRP	Fiberglass	46737	• RA132 male connector (474958) • Waterproof PVC protection (474961)
B RA109SLS	Stainless steel	46738	• Stainless steel holder • Nylon feed-thru thread (474963)

Option



- RA152/10 M coaxial cable **474951**
 $\varnothing$ 5 mm ; Impedance (Ohms) : 50 Ω .



Classic Series VHF antennas

High-performances antenna for motorboat. Fibreglass antenna with shiny UV-resistant polyurethane cover, for boat appearance and improved protection.
Assembled entirely by hand, with heavy brass and copper internal elements, stainless steel or nylon base.

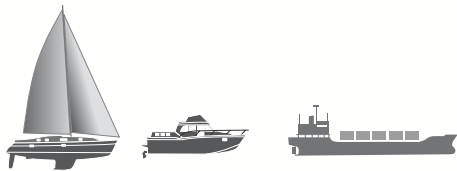


- Frequency range : 156-162 Mhz
- Impedance : 50 Ω
- Polarization : vertical
- SWR : ≤ 1.3 à 156.8 Mhz
- Maximum input : 100 W

Type	Designation	Gain	Embase	Ref.	Length	Cable length	Weight	Supplied with	Options
A RA112	Brass element polyurethane cover nylon ferrule	3 dB	Nylon	474911	1.50 m	4.50 m	450 g	Coaxial cable (RG58C/U)	 • RA135 dual articulation : 46764
B RA112CR	Brass element polyurethane cover st. steel ferrule	3 dB	St. steel	46741	1.50 m	4.50 m	580 g		 • RA107SS dual articulation : 474985
C RA1206NY	Dual-thickness whip antenna, brass component	6 dB	Nylon	46807	2.40 m	4.50 m	456 g	RA132 connector (474958)	 • RA166/00 St. Steel dual articulation : 475005
D RA1206CR	Dual-thickness whip antenna, brass component	6 dB	St. steel	46747	2.40 m	4.50 m	670 g		



Doppelwand Rohr,
1.2 mm dick (0,05")



Supergain RA1225 VHF antenna 46749

Dual-thickness brass tube, for high-performance long-distance communication and optimum radio reception.

- Base : St. steel.
- Length : 2.40 m.
- Cable length : 6.00 m.

Comes complete with RG58C/U coaxial cable and RA132 (474958) male connector.

- Frequency range : 156-162 Mhz
- Impedance : 50 Ω
- Polarization : vertical
- SWR : ≤ 1.3 à 156.8 Mhz
- Maximum input : 100 W
- Gain : 6 dB
- Weight : 742 g

Options



- **RA107SS St. Steel dual articulation : 474985**
St. steel reinforced ball joint.
With clamp and feed-thru.

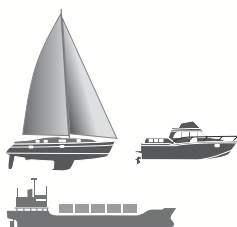


- **RA166/00 St. Steel dual articulation : 475005**
St. steel reinforced ball joint.
With handle and feed-thru.
Max. height antenna 2.70 m.



- **RA116SS Reinforced polished St. Steel support : 475061**
For antenna with large dimensions.

TV/FM antennas



Polaris V9130 directional antenna

474946

High-performance directional antenna allowing digital terrestrial TV reception. The reception angle can be easily orientated towards the signal direction by means of an infrared remote control. Supplied as standard with 2 amplifiers (external with by-pass and internal) for efficient noise reduction. Horizontal and vertical signals polarization to improve image reception and display.

Comes complete with infrared remote control, 61044 external amplifier, 20-m coaxial cable, 1.5-m TV cable.



- Angle of reception : 60°.
- Polarization : horizontal and vertical.
- Amplifier noise factor : 2.1 dB.
- Average amplifier gain : 27.5 dB.
- Adjustable amplifier gain.
- Power consumption in stand-by mode : max 150 mA.
- Power consumption with motor running : 300 mA.
- Power supply : 12 V DC.
- Dimensions : Ø 37 cm x H 26 cm.
- Antenna weight : 1.5 kg.

Options



- **Universal st. steel deck support (V9124)**
46790
Ø 25 mm, height 150 mm.



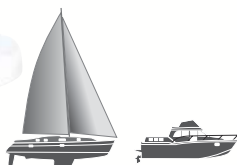
- **Male connector for RG59/U and V9135**
474975
Gold plated.



- **St. steel TV mast support (V9173TV)**
57480
Ø 25 mm. No threading.



A



B

Omnidirectional TV antennas

A - Taliitha V9125/12 complete : 61675

B - Nashira V9112/12 EC complete : 61676

Ultra-compact omnidirectional TV antennas made from ASA to resist the arsh conditions of marine

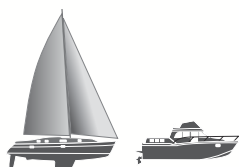
environment. They feature a fully protected amplifier and operate through a large beam of reception, for optimum digital TV reception. Combined with the V9147 Splitter (ref. 46793), Taliitha and Nashira models can receive AM-FM radio signals.

Come complete with 61043 external amplifier, 20-m coaxial cable, 1.5-m TV cable and 2 connectors.



- Impedance : 75 Ohms
- Frequency range : 40-890 MHz
- Angle of reception : 360°
- Polarization : horizontal

	TALITHA V9125/12	NASHIRA V9112/12 EC
Antenna Ø	250 mm	370 mm
Height	151 mm	240 mm
Base Ø	25 mm	25 mm
Antenna weight	350 g	900 g
Gain	26 dB	27.5 dB
Noise factor	2.2 dB	2.2 dB
Power consumption	20 mA	20 mA
Power supply (Volt DC)	12/24	12/24
TV set max.	2	2
Adjustable gain	Yes	Yes



Omnidirectional TV / FM radio antennas

Avior VT300 : 61677

Omnidirectional TV antenna ultra compact and made in ASA which ensures long life in the marine environment. Supplied with an amplifier they have a perfect analog and digital reception on VHF and UHF frequency.

- Impedance : 75 Ohms
- Frequency range : 40-890 MHz
- Angle of reception : 360°

Supplied with V911 API-FM separator 61045, V9139/10 10 m cable, V9143 1.5 m cable and universal mount.



	AVIOR VT300
Antenna Ø	100 mm
Height	210 mm
Base Ø	25 mm
Antenna weight	250 g
Gain	24.5 dB
Noise factor	1.7 dB
Power consumption	20 mA
Power supply (Volt DC)	12
TV set max.	1
Adjustable gain	No
By Pass antenna/ampli.	No

Options



- **St. steel TV antenna support (V9123)**
46789
Ø 25.4 mm (1")

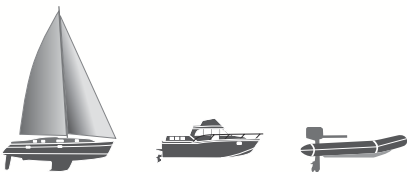


- **Universal st. steel deck support (V9124)**
46790
Ø 25 mm, height 150 mm.



- **Extension cable for AM/FM antenna (V9148)**
474953
3.60 meter. Male-female socket.

Special antennas



RA114 emergency VHF antenna 46743

This spare emergency antenna will help you if your principal antenna gets broken or out of work. The orange color will help identifying your boat even in extreme weather conditions. **Comes complete** with 9-m coaxial cable (474951), male connector (474958) and quick install kit.

- Cable length : 9 m.
- Gain : 3 dB.
- Max. power : 50 W.
- Weight : 900 g.
- Length : 0.35 m.



RA111 Regatta VHF antenna 46740

The Regatta antenna is a very short antenna which has to be positioned on the mast head. It is highly efficient without handicaping the boat performance. **Comes complete** with 18-m coaxial cable (474951) and PL259 male connector (474958).

- Cable length : 9 m.
- Gain : 3 dB.
- Max. power : 50 W.
- Weight : 220 g.
- Length : 0.14 m.



RA128 RA1281



AM-FM radio antennas

- Frequency range : AM (550-1600 Mhz) - FM (88-108 Mhz).
- Impedance : 93 Ω.

Type	Description	Ref.	Length	Supplied with :
RA128	Whip version antenna - nylon base	46755	1.50 m	6-m coaxial cable and Motorola socket
RA1281	Rigid unbreakable synthetic rubber antenna	46757	0.30 m	3-m coaxial cable and Motorola socket

Options



- **RRA201 VHF/AM - FM/AIS antenna splitter : 46789**



- **Extension cable : 474953.**
3.60 m.
Male-female socket.



- For RA128 model :
• **RA135 dual articulation : 46764**



- For RA1281 model :
• **RA166/00 dual articulation : 475005**

Options and accessories for antennas

Connectors

Type	Description	Ref.	
RA132 GOLD	PL259 male connector for RG58C/U coaxial cable. Gold plated.	474959	
V9144	Gold plated female connector for RG59/U and RG6/U.	474975	
RA133	Dual female/female PL258 link for PL259.	474960	
RA163	Female F/F Connector. Gold plated.	474969	
RA132	Male connector for coaxial RG58C/U cable.	474958	

Coaxial cables

Coaxial cables transmit signals to and from the antenna. Poor quality cables will dramatically reduce the efficiency of both antenna and transceivers.
Glomex cables are specifically designed and manufactured for use in marine environment. All Glomex cables have been developed in cooperation with coaxial cables specialists to ensure minimal signal distortion or loss and long-term reliability.

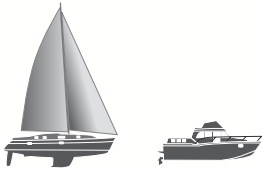
Type	Description	For	Exterior dimensions	Impedance	Ref.	
RG58ALL	RA152/10 m coaxial cable	VHF	Ø 5 mm	50 Ω	474951	
RG6/U	V9139/25 m TV coaxial cable	TV	Ø 6.7 mm	75 Ω	61042	

Splitters

Type	Description	Ref.	
V9147	2 output TV/TV splitter or TV + radio	46793	
RA201	VHF/AM-FM/AIS antenna splitter	478147	

Earth plates

The Glomex round bronze-coated earth plates offer a very large contact surface with the water, provided by the cumulated surface of all bronze spheres.
Thanks to the porosity of each earth plate, the water penetrates the plates whilst touching the spheres surface.
The Glomex earth plates are supplied with bolts, screws and washers, made from the same bronze microspheres as the plates, to avoid electrolysis phenomena.
The 55-mm Ø earth plate enables to neutralize static electricity in the metal tanks.



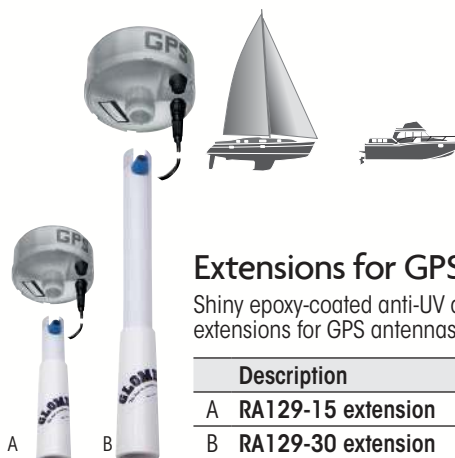
Type	Description	Surface	Weight	Ref.	
RA206	Earth plate Ø 55 mm	-	0.12 kg	474974	
RA202	Earth plate Ø 128 mm	1.70 m²	0.60 kg	474970	
RA203	Earth plate 155 x 51 x 13 mm	1.15 m²	0.52 kg	474971	
RA204	Earth plate 205 x 64 x 13 mm	2.00 m²	0.80 kg	474972	
RA205	Earth plate 300 x 80 x 13 mm	3.45 m²	1.65 kg	474973	



Extension for whip antennas

Stainless steel vertical extension compatible with all Glomex whip antennas. The antenna elevation offers improved reception and transmission. Thread 1 1/4".

	Description	Length	Ref.
A	RA103/15 extension	15 cm	46723
B	RA103/30 extension	30 cm	46724



Extensions for GPS antennas

Shiny epoxy-coated anti-UV aluminium extensions for GPS antennas.

	Description	Length	Ref.
A	RA129-15 extension	15 cm	46760
B	RA129-30 extension	30 cm	46761

Supports and accessories

Description	Ref.	Type
Universal st. steel mounting for antennas and extensions. Standard threading 1 1/4". Weight 280 g. Height 100 mm.	46801	V9176 
St. steel mounting masthead. Standard 1 1/4" threading, weight 330 g.	46797	V9173 
Masthead fly (380 mm) for aloud antennas.	475007	RA179 
Set of 2 round wedges. Enables to stick the antenna vertically despite sloping surface.	46722	RA102 
Set of 3 round wedges for Glomex ball joint. Enables maintenance for the vertical antenna, despite inclined surface.	46721	RA101 
White PVC joint to isolate aluminium decks.	46783	V9101 
Rubber sleeve gasket for connector coax cable.	474961	RA138 
Plug/deck feed-through/nylon cable grommet for coaxial cables and connectors.	474963	RA140 
Gold plated deck feed-through and rubber sleeve gasket for the external connector.	474955	RA105 
Dual articulation with knob and feed thru. Max. height antenna : 2.70 m.	46764	RA135 
St. steel reinforced ball joint. Dual articulation, with clamp and feed-thru.	474985	RA107SS 
St. steel reinforced ball joint. Dual articulation, with handle and feed-thru. Max. height antenna 2.70 m.	475005	RA166/00 
Reinforced polished st. steel support for antennae with large dimensions.	475061	RA116SS 
Nylon reinforced ball joint, feed-thru and knob. Fixing on rail Ø 22 to 25 mm. Max. height antenna 2.40 m.	46763	RA134 
Nylon reinforced ball joint, feed-thru and knob. Fixing on rail Ø 22 to 25 mm. Max. height antenna 2.40 m. Extension 100 mm.	46769	RA147 
St. steel TV mast support. Ø 25 mm. No threading.	57480	V9173TV 
Universal st. steel deck support. Ø 25 mm, height 150 mm.	46790	V9124 
St. steel TV antenna support – Ø 25.4 mm (1").	46789	V9123 
St. steel ball joint for horizontal or vertical fixing to rail Ø from 22 to 80 mm.	46796	V9171 
Nylon reinforced support for installation of GPS antennas on horizontal rail Ø 22 or 25 mm.	46768	RA145 
Nylon reinforced support for installation of GPS antennas on horizontal rail Ø 22, 25 or 30 mm. Supplied with adaptor for all 3 diameters.	46776	RA175 
Universal st. steel support for antennas and extensions. standard 1 1/4" threading, weight 280 g, height 100 mm.	46798	V9174 
Universal nylon-reinforced support. For GPS antennas. Standard 1 1/4" threading, weight 27 g, height 40 mm.	475016	V9175OT 
Universal nylon-reinforced support for GPS antennas. Standard 1 1/4" threading, weight 50 g, height 100 mm.	46799	V9175 

Binoculars



A complete range, meeting the needs of all professional and amateur mariners.

- Optical qualities providing superior viewing while aboard or ashore (7, 8 or 10 magnification power, performant lenses...).
- Ergonomically and newly designed binoculars. Rubber texture armor allowing a firm grip.
- Materials selected to resist the elements and provide protection from shocks : metallic frame, superior glass. Reliability in foul weather conditions.
- Marine applications confirmed by both waterproof and fog-proof models (inert gas filling).



To help you select your binoculars :

Magnification

Magnification power is determined by the first number indicated. Ex. : for the 7 x 50 models, the image will appear to be 7 times larger than with the naked eye. 7 x magnification is recommended for marine use.



x 7



x 10

Objective lens diameter

Indicated by the second number. It gives the objective diameter in mm. The bigger the number is, the brighter the image will be seen. Particularly useful in low light conditions. For a good hold in hands, a 50 mm diameter is the max. recommended aboard.



Ø 32 mm



Ø 50 mm

Field of view

Indicates the width of a scene that can be viewed from a distance of 1000 m. The greater the magnification, the smaller the field of view.

Lens coating

Fully : for improved brightness and higher contrast.
Multi : Fully-Coated + clearer colours and UV-resistance.
Ruby : Multi-Coated + ruby-red colouring filtering out red light (ideal for snow and sea).

Prism type

BAK-7 : standard borosilicate glass.
BAK-4 : barium higher quality glass, for brighter and crisper images with 30 % more light.

Types of focusing systems

Center eye focus : manual focusing system with central roller.
Autofocus : remains automatically in focus.



7 x 50 binoculars with built-in compass : shock and waterproof

53260

- Built-in compass with illumination.
- Waterproof (1 m) and fog proof : moulded in 1 block.
- Impact-resistant design and non-slip grip (military quality).
- Superior quality optics (BAK-4) and ruby lens.
- Autofocus + 2 eye-focus.
- Distance calculator dial.
- Rubber fold-down eye cups.
- Supplied with carrying case, neck strap and cleaning cloth.



Built-in compass

Ref.	Field of view	Tightness	Focus	Prism	Coating	Colour	Height	Weight
53260	131 m	Waterproof	Autofocus + 2 eye-focus	BAK-4	Multi + ruby	Navy blue	157 mm	1380 g

Compass fully operational between 40° & 60° north latitude.

Waterproof



PLASTIMO

8x42 monocular with built-in compass

61380

Light and compact 8x42 monocular which integrates a compass with rangefinder to enable the measurement of the size of an object.

- Waterproof, the instrument can be used in any circumstances.
- Fitted with roof prisms, BAK-7 type.
- Lens are fully multi-coated for a better transmission of light.

Réf.	Focus	Tightness	Field of view	Prism	Mini focus distance	Coating	Dimensions	Weight	Fold down eye cups
61380	Eye focus	Waterproof	123 m	BAK-7	13 m	Multi-coated	60 x 143 mm	370 g	✓

7 x 50 marine binoculars

Waterproof



40562



40561



57081



56249

All binoculars are supplied with carrying case, neck strap and cleaning cloth.

Rubber fold-down eye cups. Ideal for glass wearers.



Attached lens caps.



Ref.	Focus	Tightness	Field of view	Prism	Coating	Color	Height	Weight	Fold-down eye cups	Attached lens caps
40562	Central and eye focus	Waterproof and fog-proof	116 m	BAK-4	Multi + green	Yellow/Black	200 mm	989 g	✓	✓
40561	Autofocus	Sprayproof	119 m	BAK-7	Fully	Black	175 mm	790 g	-	-
57081	Autofocus	Sprayproof	116 m	BAK-4	Green	Blue-Black	195 mm	884 g	✓	✓
56249	Central and eye focus	Sprayproof	122 m	BAK-7	Multi	Highly-resistant metallic body covered in black rubber	170 mm	850 g	✓	-

Options & accessories



Protection case 31356
For 7 x 50 binoculars.
White PVC, UV resistant.



Floating lanyard 31248
Foam-cushioned strap : it will float 7x50 binoculars and mark their location in visible yellow to fish them out quickly.

Bushnell®



Binoculars
without compass
62060



Binoculars
with compass
62061



7x50 waterproof Marine binoculars

Without compass : 62060
With compass : 62061

The Marine 7x50 model has been especially designed to be used in the marine environment conditions. This model is also available with a compass version offering a real orientation support.

- Porro BAK-4 prisms and multicoated optics for bright, clear and crisp viewing.
- O-ring sealed for an optimal waterproofness.
- Nitrogen purged to keep moisture out.
- Highly resistant to saltwater corrosion.
- 100% UV-resistant.
- Non-slip, non-skid rubber armor providing a firm grip when wet.
- Twist-up eye cups for instant focus and optimum exit pupil.
- Adapts to tripod.
- Supplied with safety carrying case and neck strap.

Model	Ref.	Focus	Tightness	Field of view	Prism	Mini focus distance	Ø exit pupil	Eye relief	Weight
Without compass	62060	Eye-focus	Yes	117 m	Porro BAK-4	7.6 mm	7.1 mm	18 mm	1021 g
With compass	62061	Eye-focus	Yes	117 m	Porro BAK-4	7.6 mm	7.1 mm	18 mm	1050 g

Digital night vision monocular Equinox-Z

64236

4,5 x 40 mm digital night vision monocular.

Images with exceptional brightness, day or night, in a compact, ergonomic and ultra-resistant case.

- Powerful integrated infrared illuminator.
- Day or night viewing with 3 display modes : black & white, colour or green.
- Micro SD card insert for image captures and video recordings (up to 32 GB).
- Direct transmission thanks to USB port and video output jack (video cable included).
- Tripod mountable.

Technical features	64236
Optical magnification	x 4,5
Objective size	40 mm
Viewing range	225 m
Water resistance	IPX 4
Field of view (m@100m)	9,5
Battery type	4 x AA (not included)
IR battery life (On/Off)	6 hours / 12 hours
Dimensions	58 x 105 x 200 mm
Weight	623 g



Ideal for outdoor, fishing and any other precise observation or watching activities either as leisure or professionally.



Night vision
with monocular.



Night vision
without monocular.

Anemometers



Windy handheld anemometer 49357

3 cups mounted on rotor, allow the reading of wind speed in all Waterproof and in submersible. Automatic backlighting in low light conditions. Automatic OFF switch 60 seconds after cups have stopped rotating (allows battery saving).

Wind speed :

- Scale : 1 to 40 m/s.
- Units : digital knots, m/s, km/h, mph.
- Graphic Beaufort force.
- Maximum wind speed.
- Average speed on 5, 10, 20 or 40 selected seconds.
- Accuracy : 4%.
- Resolution : 0.1 (up to 9.9), 1 (over 10).

Air temperature and Windchill :

- Scale : -20 to +60 °C.
- Accuracy : 1 °C (2 °F).
- Units : °C or °F.
- Resolution : 1 °C (2 °F).

- Dimensions : height 135 mm, Ø 7 cm (cups included).
- Weight : 70 g with battery.
- Power : 1 x 3 V lithium battery. CR2032 type.
- Battery lifetime : 8000 hours (up to 10 years), 100 hours with backlighting.



Large backlit screen with 2 configurable lines. Digits up to 15 mm high.

Options & Accessories



- **Holder 49359**
Bulkhead mount or standing.
For easy storage or for measurement with tripod.

- **Replacement kit 49358**
3 cups mounted on rotor.

Windmate 200 pocket anemometer

54958

As a real innovation, the Windmate 200 gives the wind direction, with its wind sensors and integrated compass. Waterproof thanks to its incorporated protective case. Space saving and easy storage. The Windmate 200 floats.

Wind speed :

- Scale: 0.8 to 143 km/h.
- Accuracy : $\pm 3\%$.
- Units : knots, mph, km/h, m/s, ft/min., Beaufort Force.
- Max. wind speed.
- Average wind speed (over 5, 10 or 13 seconds).

Wind direction :

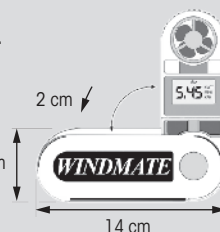
- Wind direction through 0 to 360°.
- Accuracy : $\pm 1^\circ$.
- Wind indication : head and cross wind.



Compas :

- Route indication through 0 to 360°.
 - Accuracy : $\pm 1^\circ$
- Update every second.
Automatic switching off after 5 minutes.
Read-out freeze facility.

- 1-line easy-to-read 12 mm LCD display.
- 2-line LCD display.
- Weight (with battery) : 85 g.
- 24 mm impeller, corrosion free.
- Waterproof slip-on case, shocks and UV-rays resistant + safety lanyard. 4.5 cm
- Powered by a 3 V lithium battery (CR2032 type, supplied).



Self powered wind speed indicator

17435

Thanks to the unique galvanometer technology developed by Plastimo, this instrument does not require any power source : it is operated only by the energy generated by the windvane.

The complete set comprises :

- The cup type rotating masthead unit, to be secured along the mast, by means of two clips (supplied).
- The cockpit repeater, with a dial calibrated 0-60 knots/1-11 Beaufort scale through 240°.

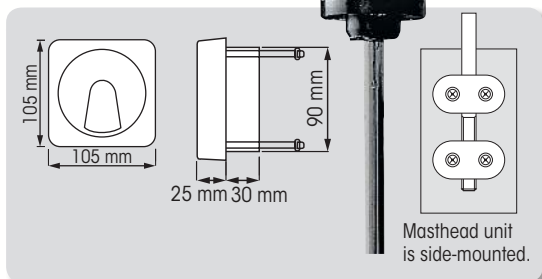
Features 12 Vdc lighting, to be connected to the board battery.

Supplied complete with 20 m cable.



Spare parts

- Masthead unit + 20 m cable : **17436**
- Cockpit repeater 0/60 Knots : **17437**
- Cup type rotating masthead unit : **17438**
- Motor and axis : **18950**
- Facia for 0/60 kts repeater : **20358**
- Individual cup : **21272**





Skywatch Xplorer handheld anemometers

The Xplorer range is available in 4 versions :
from the basic measurement of wind speed
to air temperature function or digital compass,
barometer and altimeter.

Accurate and instant reading by pressing one
single button. Waterproof case with st. steel base.
Lithium battery for long lasting use.

- Xplorer 1 : **477060**
- Xplorer 2 : **477061**
- Xplorer 3 : **477062**
- Xplorer 4 : **477063**



Common features

- Waterproof.
- Backlight LCD screen.
- Auto-off after 1 minute or possibility of permanent switching on.
- St. steel back case for more resistance.
- Power : included CR2032 lithium battery, replaceable.
Battery life : 5 years when used regularly.
- Weight : 50 g.
- Dimensions : 41 x 93 x 17 mm.
- Supplied with removable lanyard.

Functions/Ref	XPLORER 1 477060	XPLORER 2 477061	XPLORER 3 477062	XPLORER 4 477063
Wind speed	✓	✓	✓	✓
Temperature/Windchill	-	✓	✓	✓
Electronic compass	-	-	✓	✓
Atmospheric pressure	-	-	-	✓
Altimeter	-	-	-	✓

	Wind speed	Temperature	Compass	Atmospheric pressure	Altitude
Scale	0 to 150 km/h	-50 °C to +100 °C	0° to 359° off North	Absolute : 300 to 1100 hPa Relative pressure : with calibration	-700 to 9000 m
Units	km/h, mph, m/s, fps and knots	°C and °F	degré (°)	inHg and hPa	m and ft
Accuracy	± 3%	± 0,3 °C / ± 0,5 °F	± 4°	± 0,03 inHg / ± 1 hPa	± 10 m
Resolution	in tenth up to 99.9, then to the unit	In tenth of degree	1°	0.01 inHg, 1 hPa	1 m/3 ft
Measurement cycle	2 per second	1 every 0.5 second	2 per second	1 per second	1 m/3 ft



Eole 1

Ideal to discover
the wind strength.
Displays instant,
average (3 s to 24 h)
and maximum wind
speeds.



Meteo 1

The Meteos 1
presents the same
features as the
Eole 1 version, with
temperature and
Windchill functions
on top.

Skywatch handheld anemometers with 3D propeller

Combining aesthetic and ergonomic design, the Eole 1
and Meteos 1 Skywatch anemometers feature a large 3D propeller
(54 mm) for accurate wind speed indication. Large digits
for easy-to-read display.

- Eole 1 : **478493**
- Meteo 1 : **478494**

- Waterproof - Unsinkable.
- LCD Backlight screen.
- Aluminium base with thread for mounting on a camera tripod.
- Units : km/h, m/s, knots, mph, fps and Beaufort, °C, °F.
- Scales: 2 to 150 km/h / -20 °C to +70 °C.
- Accuracy : ± 3% (wind) / ± 0.2 °C (temperature).
- Weight : 235 g.
- Power supply : 2 x 1.5 V batteries, AA type.
- Dimensions : Ø 65 x 155 mm.
- Supplied with protective cap for the impeller.

Brass clocks and barometers



Solid brass case

- **Barometers** : high sensitivity aneroid barometers, with an entirely metallic chain.
- **Clocks** : quartz mechanism. Bevelled glass edge.

6" models

Front facia Ø : 15 cm. Base Ø : 22 cm.



6" clock
12763



6" barometer
12762

4.5" models

Front facia Ø : 10 cm. Base Ø : 14 cm.



4.5" clock
31229



4.5" barometer
31230



4.5" thermometer-hygrometer
31231



4.5" tide clock
56051

3" models

Front facia Ø : 7.5 cm. Base Ø : 12 cm.



3" clock
12765
With alarm : 12766



3" barometer
12767



3" clock
With silent zones.
12768
With alarm : 12769



3" thermometer-hygrometer
18683



Weatherman
12761

Quartz clock, barometer, hygrometer and thermometer : the Weatherman gives all necessary information on weather conditions. Set on an attractive teak base in a porthole style frame, the Weatherman will enhance any cabin or club house.
Diameter : 20 cm. Diameter of teak base : 35 cm.



3" clock & barometer set on hard wood board
12764

Ø of instruments : 7.5 cm.
Dimensions of wood board : 32.5 x 15 cm.

4.5"
models

Front facia Ø : 10 cm. Base Ø : 14 cm.

Chrome case.
Organic glass.



4.5" clock
56138



4.5" barometer
56139



4.5" thermometer-
hygrometer
57171



- **Barometer :**
High sensitivity aneroid
barometer, with an entirely
metallic chain.

- **Clock :**
Quartz mechanism.

4"
models

Front facia Ø : 8.8 cm. Base Ø : 13 cm.

Gleam or matt
chrome case.
Bevelled glass edge.



4" clock

Matt chrome case.
38206
Gleam chrome case.
38210



4" barometer

Matt chrome case.
38207
Gleam chrome case.
38211



4" thermometer-
hygrometer

Matt chrome case.
38208
Gleam chrome case.
38212



4" tide clock
with 4 hands

Matt chrome case.
38209
Gleam chrome case.
38213

3"
models

Matt chrome case.
Bevelled glass
edge.

Front facia Ø : 7.5 cm.

Base Ø : 12 cm.



3" clock

With silent zones.
54779



3" clock

Standard facia.
35886



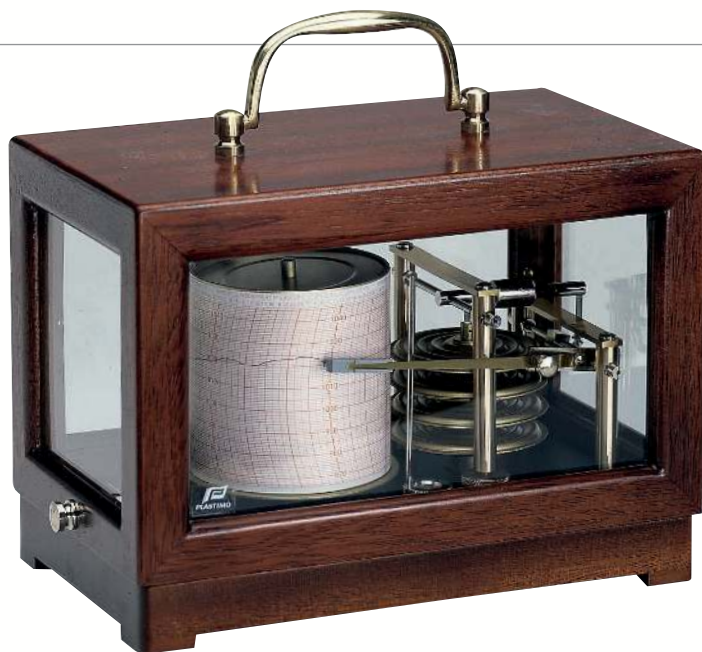
3" barometer

35884



3" thermometer-
hygrometer

35885



Traditional barograph

27184

Top quality and high precision barograph, in a stylish mahogany and glass case. Operates on a 4 Cupro beryllium capsule movement, with no spring. This model is perfectly suitable for both yacht or home. Every barograph is fully tested and calibrated. Supplied with LR6 battery, felt tip stylus and 100 weekly sheets. Dimensions : Length 20 cm, Width 12 cm, Height 14 cm. Accuracy : ± 0.5 hPa.

Accessories

- **Weekly sheets : 27186**
Pack of 100 sheets, graduated in
millibars. Format : 221 x 67 mm.
- **Felt tip stylus (X2) : 27185**

Flags

National flags

100% polyester

• 30 x 45 cm

- Belgium : **64373**
- Brazil : **64386**
- Croatia : **64380**
- Europe : **64368**
- France : **64362**
- Germany : **64374**
- Greece : **64358**
- Italy : **64382**
- Netherlands : **64357**
- Portugal : **64361**
- Spain : **64381**
- Switzerland : **64307**
- United Kingdom :
 - Red Ensign : **64308**
 - Union Jack : **64372**
- USA : **64387**

• 20 x 30 cm

- Belgium : **64385**
- France : **64311**



64374



64382



United Kingdom - Red Ensign :

- 30 x 45 cm : **64308**
- 40 x 50 cm : **64309**
- 50 x 75 cm : **64310**



64381



64357



France

- 20 x 30 cm : **64311**
- 30 x 45 cm : **64362**
- 40 x 60 cm : **64363**
- 50 x 75 cm : **64365**
- 70 x 100 cm : **64364**

Regional flags

100% polyester.

• 30 x 45 cm

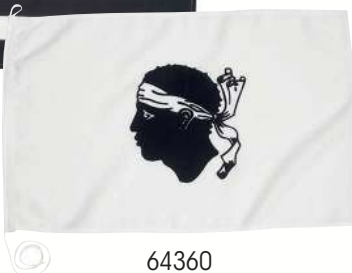
- Brittany : **64375**
- Catalonia : **64378**
- Corsica : **64360**
- Normandy : **64359**
- Basque country : **64379**
- Provence : **64383**
- Savoy : **64384**

• 20 x 30 cm

- Guernsey : **64312**
- Wales : **64313**
- Scotland-St Andrew : **64314**
- St George's Cross : **64315**



64375



64360



64379



64378



Flag set 64356

100% polyester. Halyard finish.

- 26 alphabets : 20 x 30 cm.
- 11 pennants : 43 x 15 cm.
- 3 substitutes : 30 x 15 cm.



Set of French flags

Contains the 3 mandatory flags according to French regulation. 100% polyester.

- 30 x 40 cm : **64376**
- 50 x 60 cm : **64377**

Individual code flags

100% Polyester

• Size : 20 x 30 cm

A : 64319	N : 64333
B : 64320	O : 64334
C : 64322	P : 64335
D : 64323	Q : 64336
E : 64324	R : 64337
F : 64325	S : 64338
G : 64326	T : 64339
H : 64327	U : 64340
I : 64328	V : 64341
J : 64329	W : 64342
K : 64330	X : 64343
L : 64331	Y : 64344
M : 64332	Z : 64345

• Size : 15 x 43 cm

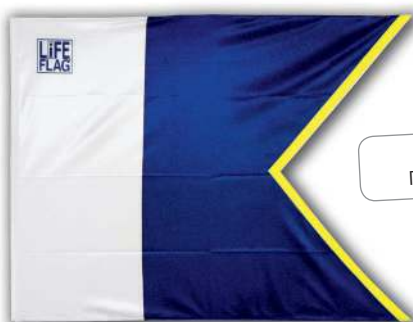
1 : 64346
2 : 64347
3 : 64348
4 : 64349
5 : 64350
6 : 64351
7 : 64352
8 : 64353
9 : 64354
0 : 64355

• Size : 30 x 40 cm.

N : **64366**
C : **64367**

• Size : 30 x 45 cm.

A - Diving : **64370**
B : **64321**
Q : **64369**



Complies with
RIPAM/COLREG

Alpha Pro diving flag 61824

Photoluminescent and fluorescent : visible at any time night or day, the Life Flag enables a quick and effective location. Available in distress and diving flag.

For vessels participating in diving operations.
Visible at any time night or day.

- Dimensions : 100 cm x 125 cm.
- Weight < 190 g (+ soft PVC rushes < 80 g).
- Blocked mesh polyester fabric, 130 g/m².
- Mounted with a tunnel strap on luff.
- Floating print in the "V" perimeter of 2 cm width bands with photoluminescent texture.
- Finish with 2 closed covers to place 2 soft pvc rushes that allow to extend the flag in all weather.



Novelty flags

100% polyester.
Dimensions 30 x 45 cm.

Witch : **64316**
Cocktail : **64317**
Jolly Roger : **64318**



String of pennants 64371

40 pennants, 100% polyester.
Total length of string : 12 m.
Size of flags : 14 x 20 cm.



English-French log book 58415

51 days. 104 pages overall.
Rigid coated cover.
Dimensions : 200 x 285 mm.
To record information on navigation (with or without GPS), weather, engine and other comments.

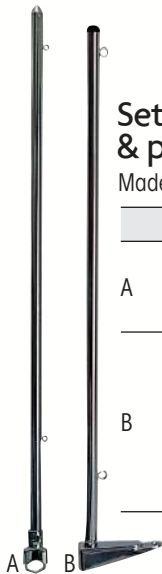
Flag staffs & pole socket



Wooden flag staffs

Model	Pine (A)	Pine (B)	Mahogany (C)	Teak (D)	
Ø of base	25 mm*	25 mm adjustable	25 mm*	25 mm	30 mm
Features	Nylon cleat + concealed pulley	-	Wood cleat + concealed pulley	Wood cleat	Wood cleat
45 cm	-	-	-	46319	-
50 cm	-	27792	27802	-	-
60 cm	-	-	-	40164	-
65 cm	27798	27793	27803	-	-
76 cm	-	-	-	46320	-
80 cm	27799	27794	27804	-	-
90 cm	-	-	-	-	40165
100 cm	27800	27795	27805	-	-
120 cm	-	-	-	-	46321
125 cm	35703	27796	35704	-	-
150 cm	-	27797	-	-	-
160 cm	35706	-	-	-	-

*Except for 35703, 35704 and 35706 : diameter of 32 mm with chromed plated base.



Set of flag staff & pole socket

Made of chromed brass.

Features	Ref.	Length
A For Ø 20 mm tube max.	422998	35 cm
	422999	50 cm
	423000	80 cm
Screw-type. L 100 x W 35 mm Screws not included.	418614	35 cm
B		
Screw-type. L 85 x W 35 mm Screws not included.	400690	50 cm
	417977	80 cm



Shroud cleat 14353

Designed to clamp ver wire to allow for flag halyards to be made off tidily. Accepts wire up to Ø 8 mm.



Flag pole sockets

Construction	Mounting	Ref.	Ø mm	Height mm	Base	Inclination
Bronze	Screw-type	A 17040	25	57	Oval	-
Chromed brass	Screw-type	B 417601	25	50	Ø 55 mm	80°
	Flushmount-type	C 400260	25	80	Ø 72 mm	straight
Stainless steel	Screw-type	D 416909	22	90	For tube Ø 22 to 25 mm.	65°



Flag lanyard block 16826

Polyamide.

Heelmeters

Indispensable for measuring the optimum angle of heel, for racing dinghies and larger yachts. Designed to be mounted inside or outside.



Ref.	Model	Graduation	Mounting	Dimensions
A 51601	45° heelmeter	5° graduation, up to 45°	Adhesive backing	80 x 40 mm
B 51494	6° and 45° double reading heelmeter	1° graduation, up to 6° or 5° graduation, up to 45°	4 screws	110 x 82 mm

Loud hailer



Loud-hailer 423506

White ABS, lightweight and compact. Pistol handle. Trigger switch. With wrist strap. No siren. Average range : 320 metres. Powered by 6 LR6 batteries (not supplied). Ø 125 mm, length 235 mm.



Loud hailer with built-in microphone 61682

Features a Class-D amplifier, max power 25 W. 4 functions : conversation, whistle, foghorn & siren. Average range : 450 metres. Powered by 10 x AA batteries, (not included). Autonomy : about 8 hours. Weight (without batteries) : 950 g. Ø 203 mm, length 350 mm.

Protective pouches

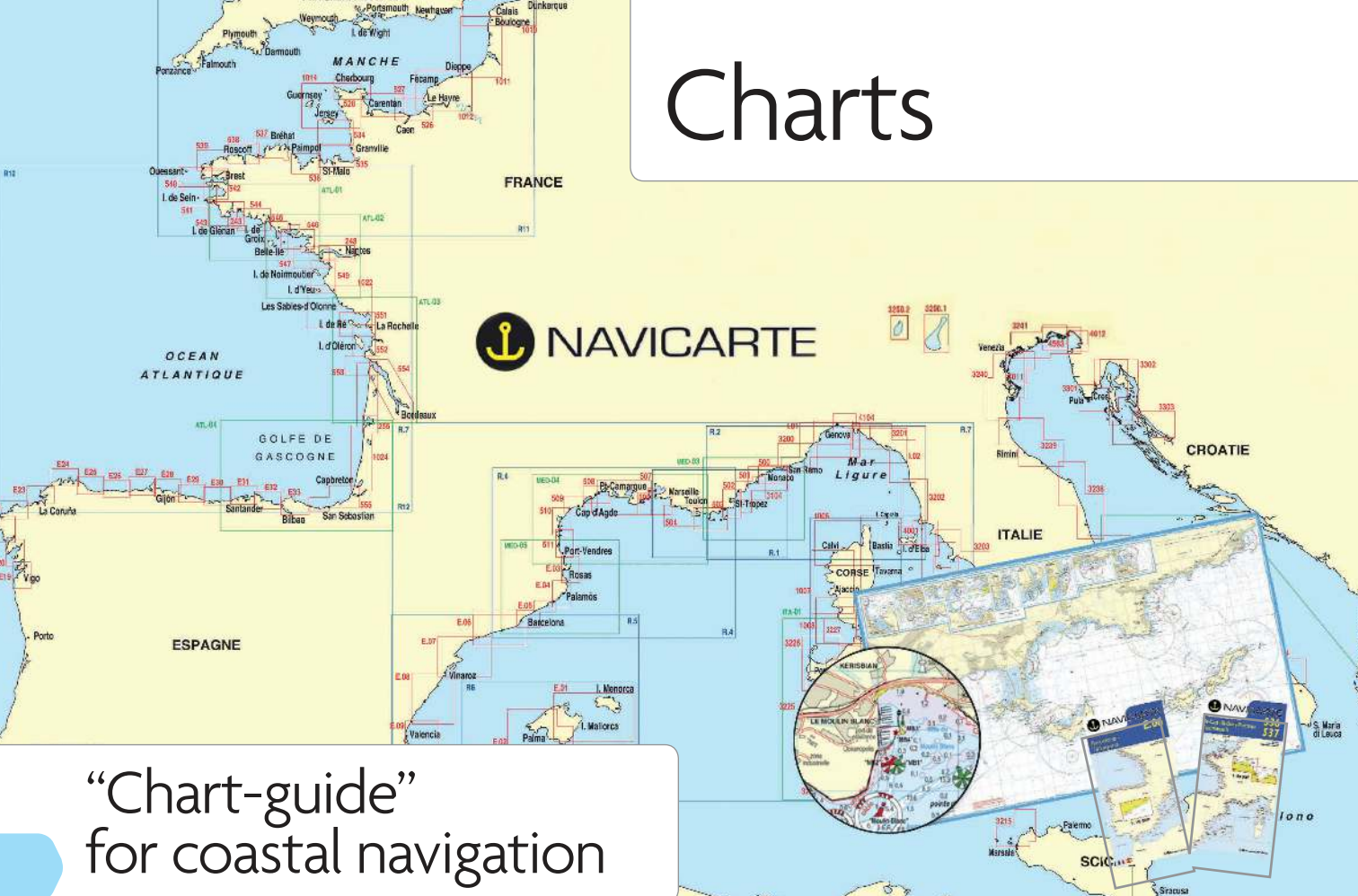


Waterproof pouches

Aquamate pouches have been designed to provide efficient protection against nature elements : sea water, sand, dust, sun, oil and grease. Used by sailors, sportsmen, fishermen or even windurfers, Aquamate pouches provide a safe operation of mobile phones, cameras, or VHF radio : talk and listen through the pouch losing only 5% volume. Aquamate pouches float.

Ref.	Description	Dimensions
A 175857	For small mobile phones up to 140 mm, not flip.	78 x 140 mm
B 175858	For medium mobile phones up to 190 mm, not flip.	132 x 190 mm
C 175861	For small VHF radios.	110 x 310 mm
D 175863	For large VHF radios.	132 x 383 mm
E 175864	Suitable for most GPS units. Also protects valuables, passports, travellers cheques, keys, calculators, etc.	132 x 250 mm

Charts



“Chart-guide” for coastal navigation

Colour sea-charts, specially designed for yachting.

Different colours are used to spot dangerous areas, depth of sea bed and light sectors.

They contain nautical information on the back and are written in English and French. Each chart is periodically updated.
Folded format : 165 x 315 mm.

Charts are established from the official documents of the French Marine Hydrographic Department.

Atlantic

Ref.	N°	Area	Map scale
14502	540 + 542	Douarnenez - Ile d'Ouessant	1/50 000
17166	541	Morgat - Audierne - Ile de Sein	1/50 000
22999	543 + 243	Audierne - Concarneau - Les Glénans	1/25 000 & 1/50 000
17169	544	Concarneau - Lorient - Ile de Groix	1/50 000
17170	545	Lorient - La Trinité - Belle Ile - Houat	1/50 000
17171	546	La Trinité - Le Croisic	1/50 000
64260	246	Golfe du Morbihan	1/25 000
23468	547 + 248	Le Croisic - Nantes-Pornic	1/25 000 & 1/50 000
17174	549	Pornic - St Gilles Croix de Vie - Noirmoutier	1/50 000
17175	1022	Ile d'Yeu - La Rochelle - Les Sables d'Olonne	1/100 000
17176	551	Ile de Ré - La Rochelle	1/50 000
17177	552	La Rochelle - Ile d'Oléron	1/50 000
25639	553 + 554	Entrée de la Gironde - Bordeaux	1/50 000
64584	555	Cap Breton - Lekeito	1/50 000
63584	1024 + 255	Port Bloc - Cap Breton - Les Landes	1/100 000 & 1/35 000

Channel

Ref.	N°	Area	Map scale
17151	1010	Ostende - Boulogne - Straits of Dover	1/100 000
25637	1011 + 1012	Boulogne - Dieppe - Le Havre	1/100 000
23465	526 + 527	Le Havre - Courseulles - La Hougue	1/50 000
26967	1014 + 528	St Vaast - Channel Islands	1/50 000 & 1/100 000
23466	534 + 535	St Hélier - St Cast	1/50 000
23467	536 + 537	St Cast - Ploumanac'h	1/50 000
25638	538 + 539	Ploumanac'h - Roscoff - Argenton	1/50 000
63585	R11 + R12	Channel - Bay of Biscay	1/1 000 000 & 1/750 000

France Mediterranean

Ref.	N°	Area	Map scale
17202	500	Nice - San Remo	1/50 000
17185	501	Saint Raphaël - Nice - Ile de Lérins	1/50 000
17186	502	Cavalaire - Saint Raphaël	1/50 000
17187	503	Toulon - Cavalaire - Iles d'Hyères	1/50 000
17188	504	Marseille - Toulon - Les Calanques	1/50 000
17189	505	Port Saint Louis - Marseille - Etang de Berre	1/50 000
17197	507	Port Camargue - Port de Bouc	1/100 000
17198	508	Sète - Port Camargue	1/50 000
17199	509	Valras - Sète - Etang de Thau	1/50 000
17200	510	Port Leucate - Valras - Gruissan	1/50 000
17201	511	Banyuls - Port Leucate - Port Vendres	1/50 000
17205	R1	Marseille - San Remo	1/250 000
17206	R2	Gulf of Genoa	1/350 000
53172	R4	Gulf of Lion - Marseille - Barcelona	1/500 000

“Chart-guide” for coastal navigation

Spain Mediterranean

Ref.	N°	Area	Map scale
17183	E01	Mallorca East - Minorca	1/250 000
17184	E02	Majorque Ouest - Ibiza - Formentera	1/125 000
17194	E03	Banuls - El Estartit	1/50 000
17195	E04	El Estartit - Tossa	1/50 000
17196	E05	Tossa - Barcelona	1/50 000
51619	E07	Tarragona - Vinaroz	1/100 000
51620	E08	Vinaroz - Siles	1/100 000
31468	E09	Siles - Denia	1/100 000
31469	E10	Denia, Santa Pola	1/100 000
10153	E06	Barcelona - Tarragona	1/100 000
51621	E11	Alicante - Cartagena	1/100 000
51622	E12	Cartagena - Carboneras	1/100 000
51623	E13	Carboneras - Almerimar	1/100 000
51624	E14	Adra - Motril	1/100 000
51625	E15	Caleta de Velez - Marbella	1/100 000
170204	E31	Santander - Suances	1/50 000
170205	E32	Bilbao - Santoña	1/50 000
170206	E33	Lekeitio - Bilbao	1/50 000
10154	R5	Barcelona - Alicante - Balears	1/640 000
61152	R6	Balears Islands	1/250 000

Corsica

Ref.	N°	Area	Map scale
17190	1006	Calvi - Bastia	1/100 000
17191	1007	Porto - Ajaccio	1/100 000
23178	1008	Propriano - Bonifacio - La Maddalena	1/100 000
17208	1004	East of Corsica - Elba Island	1/150 000
17207	R3	Corsica - North Sardinia	1/250 000

Western Mediterranean

R7 chart : 57476

Scale 1/1.000.000.

Full colour chart. Dimensions : 76 x 112 cm.

River navigation guides



Each canal, river or navigable waterway is presented in the form of a cartographic atlas which includes, on each page, a portion of the route, accompanied by a text giving useful information on navigation, moorings, supplies and tourism.

A technical description gives the characteristics of the waterway as well as advice on the best way to use the canals and locks.

Full-colour guides, at 1/25.000 or 1/50 000 scale, size 165 x 315 mm, range from 72 to 170 pages.

Each guide features technical and touristic pictures.

Texts are in English, French and German.

Ref.	N°	Area
17214	1	The Seine : from Le Havre to Paris
17215	2	The Seine : from Paris to Marcilly-sur-Seine
17216	3	The Marne : from Paris to Vitry-Le-François
61619	4	South canal- Camargue : from Toulouse to the Mediterranean
61620	5	Aquitaine : from Toulouse to the Atlantic
17222	8	Champagne-Ardenne : from Namur to St-Jean-de-Losne
26964	9	Meuse, Sambre belge, East canal
17223	10	The Saône : from Corre to Lyon - The Seille
17212	12	Brittany : rivers and waterways
17220	13	Loire area : rivers and waterways
17213	14	North-Pas de Calais : rivers and waterways
17231	16	Rhône valley : from Lyon to the Mediterranean - Arles à Fos
17230	17	Marne, Rhine, Saar
37731	19	East Burgundy : from Joigny to Chalon-sur-Saône
37730	20	West Burgundy : St-Mammès, Auxerre, Decize, Briare
17228	24	Picardy : rivers and waterways
17229	25	Charente : from La Rochelle to Angoulême
10155	27	The Lot : from Luzech to Larnagol
58965	29	Sèvre Niortaise : from La Rochelle to Niort

General charts

Description of waterways with their main characteristics.

Ref.	N°	Area
17209	21	Chart of French waterways
17210	23	Chart of Belgian waterways

Letters & Figures

ABCDEFGHIJKLMNOPQRSTUVWXYZ
0123456789

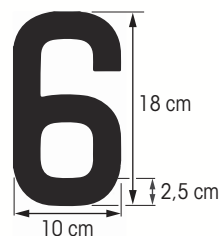
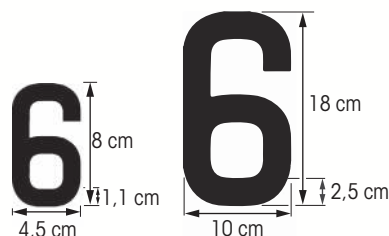
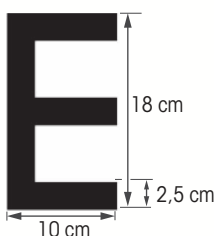
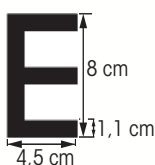


Each letter, placed on a rectangular support, comes covered with a transparent film. It is therefore very easy to align every letter perfectly. The film is then peeled off when the installation is complete.



The range of letters selected by Plastimo is very easy to apply :

- 1) Clean the surface.
- 2) Remove the transparent film-letter set from paper.
- 3) Apply the transparent film-letter set on the surface.
- 4) Rub the letter for perfect grip.
- 5) Remove the transparent film.



Letters 8 cm					Letters 18 cm				
	RIGID HULL		RIB			RIGID HULL		RIB	
	Black	White	Black	White		Black	White	Black	White
A	59086	59112	59138	59164		36277	36303	36329	36355
B	59087	59113	59139	59165		36278	36304	36330	36356
C	59088	59114	59140	59166		36279	36305	36331	36357
D	59089	59115	59141	59167		36280	36306	36332	36358
E	59090	59116	59142	59168		36281	36307	36333	36359
F	59091	59117	59143	59169		36282	36308	36334	36360
G	59092	59118	59144	59170		36283	36309	36335	36361
H	59093	59119	59145	59171		36284	36310	36336	36362
I	59094	59120	59146	59172		36285	36311	36337	36363
J	59095	59121	59147	59173		36286	36312	36338	36364
K	59096	59122	59148	59174		36287	36313	36339	36365
L	59097	59123	59149	59175		36288	36314	36340	36366
M	59098	59124	59150	59176		36289	36315	36341	36367
N	59099	59125	59151	59177		36290	36316	36342	36368
O	59100	59126	59152	59178		36291	36317	36343	36369
P	59101	59127	59153	59179		36292	36318	36344	36370
Q	59102	59128	59154	59180		36293	36319	36345	36371
R	59103	59129	59155	59181		36294	36320	36346	36372
S	59104	59130	59156	59182		36295	36321	36347	36373
T	59105	59131	59157	59183		36296	36322	36348	36374
U	59106	59132	59158	59184		36297	36323	36349	36375
V	59107	59133	59159	59185		36298	36324	36350	36376
W	59108	59134	59160	59186		36299	36325	36351	36377
X	59109	59135	59161	59187		36300	36326	36352	36378
Y	59110	59136	59162	59188		36301	36327	36353	36379
Z	59111	59137	59163	59189		36302	36328	36354	36380

Figures 8 cm				
	RIGID HULL		RIB	
	Black	White	Black	White
0	59352	59362	59372	59382
1	59353	59363	59373	59383
2	59354	59364	59374	59384
3	59355	59365	59375	59385
4	59356	59366	59376	59386
5	59357	59367	59377	59387
6	59358	59368	59378	59388
7	59359	59369	59379	59389
8	59360	59370	59380	59390
9	59361	59371	59381	59391

Figures 18 cm				
	RIGID HULL		RIB	
	Black	White	Black	White
0	36381	36392	36403	36414
1	36382	36393	36404	36415
2	36383	36394	36405	36416
3	36384	36395	36406	36417
4	36385	36396	36407	36418
5	36386	36397	36408	36419
6	36387	36398	36409	36420
7	36388	36399	36410	36421
8	36389	36400	36411	36422
9	36390	36401	36412	36423