

2011

Sailing without compromise

VION, a fabulous adventure through the centuries



"Super plaisance" compass by VION - 1975

Founded in 1830, VION has always manufactured navigation equipment, in particular compasses and marine instruments.

On the strength of their renowned quality, VION instruments were very soon present on every ocean, particularly on the great cargo ships of the XIXth and beginning of the XXth centuries.

VION accompanied the pioneers from the heroic years and then the modern long-distance flights such as Paris-Saigon or the 1930 Atlantic crossing.

Since 1945, many military programmes have also been equipped by VION.

A success and longevity that originates from the respect of fundamental values that are shared by our teams:

➤ **reliability**... our products are designed to last, they must accompany you a long time, a very long time, everywhere and in all conditions.

➤ **innovation**... the equipment that we develop is designed to make navigation safer, quicker or easier for you.

your exclusive guarantees

➤ **FREE, EXTENDED GUARANTEE**

By becoming the owner of a VION product, you have made a long-term choice since we offer you the possibility of taking advantage of our exclusive extended guarantee system. After validation on our web site -www.vion-marine.com-, or by post, this system enables you to increase the one-year legal guarantee to:

1 + 1 = 2 years for all electronic products

1 + 2 = 3 years for barometers and matching instruments

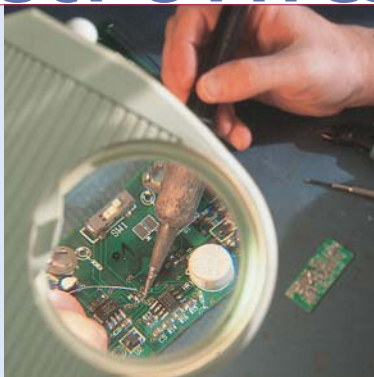
1 + 4 = 5 years for the hand bearing compass



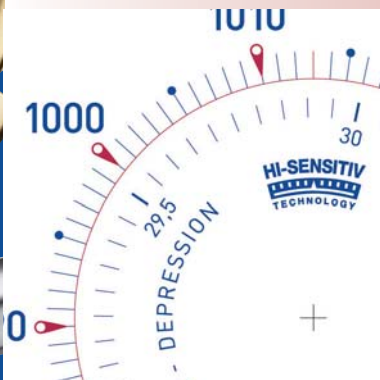
**VION is a benefactor
of the "Société Nationale
de Sauvetage en Mer"
(French life saving society)**

electronics

The VION R & D department is specialized in radio transmission protocol and the integration and miniaturization of meteorological measuring equipment.

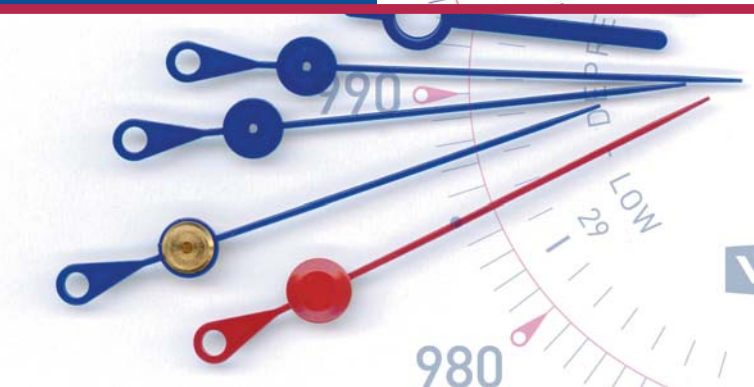


The VION A4000.2 electronic barometer has been tested and chosen by many navigators.



A range of exclusively designed instruments of which every detail has been created and stylized by the VION Design department.

design



AXIUM 2



RELIABILITY

- Exceptional accuracy $\pm 0.5^\circ$.
- Individually controlled and delivered with its calibration certificate.
- The large movement of the compass card enabled use in rough seas.

CLARITY

- Lubber-line, for those who prefer it.
- **Glass optical system for sharper, lighter vision**, military standard.

ERGONOMICS

Ergonomically designed, it is easily held in the hand:

- grain-finish,
- "anti-slip" notches,
- finger indentations,
- lower rim.

AX2 B / AX2 Y PHO: Photoluminescent

As with all light sources of this type, the integrated light cell (unalterable) accumulates and then restores light energy for more than ten minutes.

- 4 calibrating zones.
- P.V.C. storage case for the cabin, ref. C2005 (cf page 5).



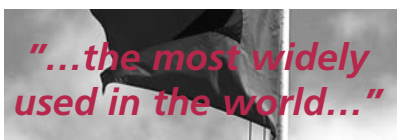
Ref. AX2 B - Blue

Course reading on the top with the additional light source for night reading.

- Complete with an attractive carrying case marked VION, with belt attachment and shoulder strap
- A comfortable lanyard in neoprene ensures that it will float.



Ref. AX2 Y - Yellow





QUICK, PRECISE READING IN ALL WEATHERS.



AXIUM2

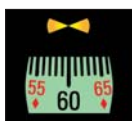


Quick and accurate reading, thanks to the two-coloured marking every 5°.



UNIQUE TO VION !

A quick sighting is sufficient: the bearing is read under the landmark, that's all. (No need to use the lubber-line which is difficult to align in rough conditions).



AXIUM2



At night, with the PHO, viewing the landmark is made easier by the soft continuous glow of the light (the glare of the torchlight necessary to reactivate a photoluminescent light is thus avoided).

ACCESSORIES



Ref. AXIUM BAG

PROTECTIVE CARRYING CASE FOR ALL AXIUM2 COMPASSES

- Attractive protective carrying case marked VION, with belt attachment and shoulder strap.
- Delivered as a standard item with AXIUM2 compasses.
- Easily carry your compass whilst protecting it at the same time.



Ref. C2005

PVC STORAGE CASE FOR ALL AXIUM2 COMPASSES

- White, easily washable, P.V.C. fits perfectly into most boat interiors.
- Fixed to the wall, no more lost time looking for your compass during those difficult moments when it is most needed.

> THE NEW VION MARINE BAROMETER

The importance of reliable equipment

As specialists in meteorological equipment, we listen to mariners - who use our instruments everyday - whether they are professional skippers, routers, or leisure boat operators. Almost 10 years ago, we were the first company to propose an electronic barometer especially conceived for navigation. Tens of thousands of our products equip ships throughout the seas of the world and are also present at numerous off-shore races.

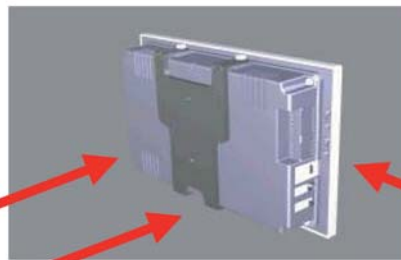
The improvements, currently proposed on the newer model, are the result of the observations and needs of users, whether professional or amateur - all conscious of the importance of this onboard equipment.

Ref. A4000.2



Large, quite separate knobs

2nd LCD with "full graphic" zone



Wall mounting stirrup = the unit can be directed

USB connection
On/Off switch
Alimentation 12 V

Retractable stand (slope 12°)

A4000 extras

- Second LCD with "full graphic" zone
- Adjustable amber 3-level backlight
- More complete alarm system
- Adjustable buzzer
- Exterior alarm command
- USB output
- 12 volts or AA batteries
- Regatta timer
- Moon phases
- Second time zone
- Wake-up alarm

The importance is in the details!

- USB for PC connection : indispensable for those who navigate with an onboard computer
- A refined and contemporary design with "metallic" silver cover
- A particularly light weight : less than 200 grams
- Stainless steel fastenings
- Tropicalized circuits
- Comes with a bulkhead stirrup strap that allows the unit to be directed



DISPLAY

- Adjustable amber backlight : 3 levels of brightness
- Atmospheric pressure (reduced to the sea level, OR : in absolute value)
- Interior temperature and humidity
- Dual time with 2nd time zone (alternating display of local time/dual zone time)
- Moon phases
- Gale risk alert (falling pressure > 4 Hpa/3 h)
- "Regatta" triple timer : match racing, standard and adjustable
- Wake-up alarm

ADJUSTABLE ALARM SYSTEM

- At falling or rising pressure (permits to be informed when arriving in an area of low pressure or an anticyclonic ridge) adjustable from 0 to 9 Hpa, by increments of 0.5 Hpa, during a period adjustable from 1 to 6 hours
- Powerful 90 db alarm buzzer, adjustable, with off function
- Possibility to command an exterior alarm (siren or other)

2ND FULL GRAPHIC LCD

- 48 hr pressure history with 24, 12, 6, 4, or 2 hour zoom function. Can also serve as a dialogue zone during scroll down menu use

ADVANCED HISTORY FUNCTION

- Cursor system permits to "analyze" the pressure curve by displaying, for every point, the hour and the pressure value
- With minimum and maximum information for the necessary precision in observing an eventual pressure turn-around, signalling an impending weather change

MEM FUNCTION

- Studied for the change of watch
- Permits saving and recall of a situation for a corresponding time and pressure
- The saved situation blinks on the graphic

POWER SUPPLY

- 12 volts or 4 AA batteries
- Low battery indicator
- 12 month battery life span in economic mode (without backlighting)

OPTIONS

Capture for PC connexion

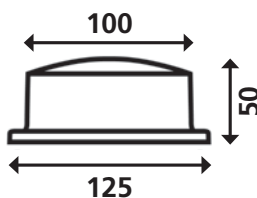




Ref. A100LD TI Hi-s
 Barometer Hi-Sensitiv

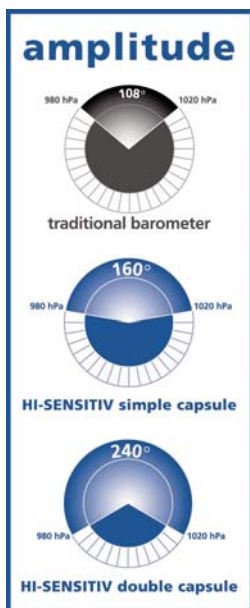


Ref. A100LD TI CLZ
 Marine clock with silence zones



- HI-SENSITIV technology mechanism amplified 1.5 times
- Quick locking device on A100LD
- Stainless steel case with Titanium PVD plating
- Photo-luminescent dial wich allows night reading

> HIGH SENSITIV TECHNOLOGY



Reliable, weather forecasts are essential when sailing.

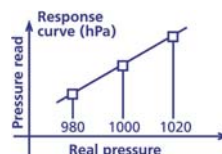
Therefore, VION has decided to equip all barometers (except for the references A100LD SAT B) with this new technology, undoubtedly a new standard, developed by VION's R & D engineers.

There are two versions:

- ① "Hi-Sensitiv" **simple capsule** mechanism: movement of the hand amplified 1.5 times.
- ② "Hi-Sensitiv" **double capsule** mechanism: movement of the hand amplified 2.2 times.

Delivered with its "numbered control certificate", in accordance with the NFL 00-15 standard: each barometer is controlled on 3 points, the tolerance between the pressure read and the real pressure must be less than 0.2%. Not for use above 600m.

**HI-SENSITIV
TECHNOLOGY**



This mechanism offers:

- **Sensitivity:** the slightest pressure change is detected by the barometer.
- **Amplified reading:** the movement of the hand is amplified 1.5 or 2.2 times more than on a traditional barometer.

**ACC
2S**

anti-corrosion coated stainless steel

NEW ACC.2S TECHNOLOGY

All of our barometers and matching instruments benefit from our new ACC.2S anti-corrosion coated stainless steel technology – a world exclusivity of VION products.

This is your guarantee of possessing a product that will not corrode in salty air conditions, that does not require maintenance and that has an unequalled length of life.

Furthermore, almost all components of our mechanisms are made solely of non-corrosive materials (except for the back-plate).



Salty atmosphere test with or without ACC.2S treatment carried out by an official laboratory (CETEHOR).

TECHNICAL CHARACTERISTICS OF VION CASES

- "18/10" solid stainless steel, AISI 304 L standard, 0.5 mm thick.
- ACC.2S anti-corrosion coated stainless steel treatment.
- Highly transparent polymethacrylate lens with anti-scratch additive or mineral glass on the A130 models.
- 3 fixing screws.
- Specific VION engraving.

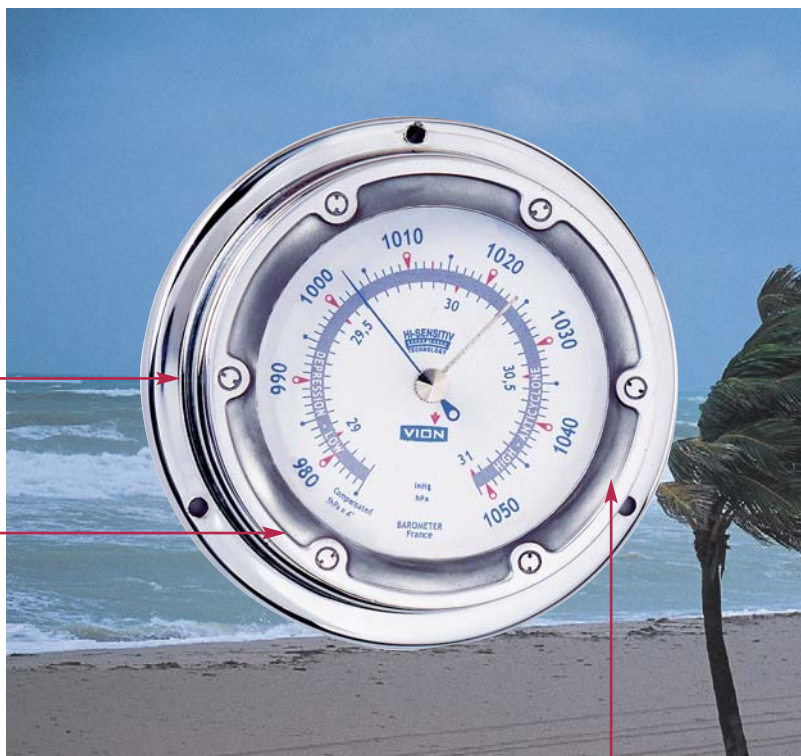


heavy case designed by Jean-Pierre VITRAC

The designer's
 comments:
*"Through this heavy
 case, an aesthetic
 allusion to
 advanced technology"*

Elegant extra-slim case

Sturdy, solid bezel



Ref. A105 CHR Hi-S

Bevelled mineral glass



HI-SENSITIV
 TECHNOLOGY



- Hi-Sensitiv technology movement, amplified 1.5 times.
- VION engraving.



Ref. A105 CHR T+H
 Matching thermometer +
 hygrometer



Ref. A105 CHR CLZ
 Matching marine
 clock

> POLISHED STAINLESS STEEL CASE



Ref. A130 CHR MECA B



HI-SENSITIV
TECHNOLOGY



- Recessed dial for style and ease of reading.
- Mineral glass.

- Dial with open centre showing the mechanism and its brass and brushed steel components



A130 CHR T + H
• Curved, alcohol tube thermometer
• Precision hygrometer with synthetic hair (+/- 2.5%)



A130 CHR CLZ
• Marine clock with silence zones

- Hi-Sensitiv technology mechanism, amplified 1.5 times



Ref. A100LD CHR Hi-S

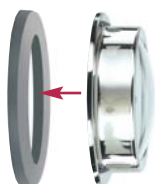


HI-SENSITIV
TECHNOLOGY



- Recessed dial for style and ease of reading.

- Hi-Sensitiv technology mechanism, amplified 1.5 times



- Quick locking device included (cf page 15)



A100LD CHR T + H
• Thermometer + Hygrometer



A100LD CHR CLZ
• Marine clock with silence zones

local time

second time zone



A100LD CHR WTCL 24
• "World time" clock
Displays the time for 2 different time zones over 24 hours, with separate adjustment.



A100LD CHR IMA
• Tide indicator
Indicates the time and the direction of the tide.



Ref. A80 CHR Hi-S B



HI-SENSITIV
TECHNOLOGY



- Visible mechanism with the VION mark
- Hi-Sensitiv technology mechanism, amplified 1.5 times



A80 CHR T + H
• Thermometer + Hygrometer



A80 CHR CLZ
• Marine clock with silence zones

Quick locking device on A80 LD series

> "GOLD" POLISHED STAINLESS STEEL CASE

Ref. A130 GOLD MECA B



HI-SENSITIV
TECHNOLOGY



- Recessed dial for style and ease of reading.
- Mineral glass.

- Dial with open centre showing the mechanism and its brass and brushed steel components

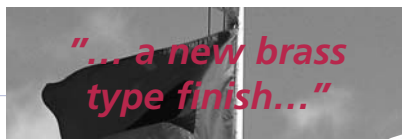
- Hi-Sensitiv technology mechanism, amplified 1.5 times



- A130 GOLD T + H**
- Curved, alcohol tube thermometer
 - Precision hygrometer with synthetic hair (+/- 2.5%)



- A130 GOLD CLZ**
- Marine clock with silence zones



Ref. A100LD GOLD Hi-S



HI-SENSITIV
TECHNOLOGY



- Hi-Sensitiv technology mechanism, amplified 1.5 times



- A100LD GOLD T + H**
- Thermometer + Hygrometer



- A100LD GOLD CLZ**
- Marine clock with silence zones

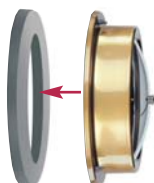


Ref. A100LD GOLD MECA



- Dial with open centre showing the mechanism and its brass and brushed steel components

- Hi-Sensitiv technology mechanism, amplified 1.5 times



Quick locking device included (cf page 15)



local time
second time zone

- A100LD GOLD WTCL 24**
- "World time" clock Displays the time for 2 different time zones over 24 hours, with separate adjustment.



- A100LD GOLD PM**
- Tide clock - Not only gives the exact time but also the time and the direction of the tide by means of a 4th hand.

- A100LD GOLD IMA**
- Tide indicator Indicates the time and the direction of the tide.



> "GOLD" POLISHED STAINLESS STEEL CASE



Ref. A80 GOLD Hi-S B



HI-SENSITIV
TECHNOLOGY

ACC 2S
anti-corrosion coated
stainless steel



- Visible mechanism with the VION mark
- Hi-Sensitiv technology mechanism, amplified 1.5 times



A80 GOLD T + H
• Thermometer + Hygrometer



A80 GOLD CLZ
• Marine clock with silence zones

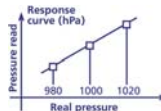
"HI-SENSITIV" BAROMETER WITH CONTROL CERTIFICATE

Ref. A100LD GOLD CERT



ACC 2S
anti-corrosion coated
stainless steel

HI-SENSITIV
TECHNOLOGY



- Hi-Sensitiv mechanism with double capsule: movement of the hand amplified 2.2 times, exceptional sensitivity
- Delivered with a "numbered control certificate" in accordance with the NFL00-15 standard.
- Each barometer is controlled on 3 points, the difference between the resulting graph and the real pressure must be less than 0.2%.

BRUSHED STAINLESS STEEL CASE

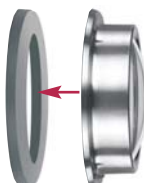
- Recessed dial for style and ease of reading.
- Phosphorescent points on the dial and the hands for easy night-reading.



ACC 2S
anti-corrosion coated
stainless steel



- Classic large movement, high capacity capsule, metal bridge and nickel-plated spring



Quick locking
device included
(cf page 15)



A100LD SAT T + H
• Thermometer + Hygrometer



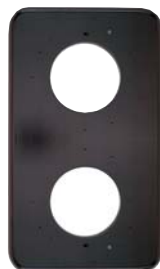
A100LD SAT CLZ
• Marine clock with silence zones

Ref. A100LD SAT B

> "SPECIAL BOAT" WOOD MOUNTS

A FLEXIBLE DECORATIVE SYSTEM, DESIGNED FOR THE BOAT.

"...your "made-to-measure" weather station..."



• Fix your instruments horizontally or vertically thanks to these elegant wood mounts with pre-drilled holes.

Solid teak not subject to rot



Varnished mahogany 14 coats



resists all weathers

Once the instrument is in place, the wall fixing method is invisible.



- With instruments of the A100 GOLD range:
 - Ref. 2100GTE BTH: teak board + barometer + hygrometer + thermometer
 - Ref. 2100GTE BCL: teak board + barometer + marine clock
 - Ref. 2100GPF BTH: mahogany board + barometer + hygrometer + thermometer
 - Ref. 2100GPF BCL: mahogany board + barometer + marine clock
- Sold as a kit: 2 instruments, pre-drilled guide holes.
- With complete mounting accessories: fixing screws, wall drilling template.

WOOD MOUNTS



➤ Réf. AS100 1

Take advantage of your VION instruments all year round, both on the boat and at home, thanks to VION's exclusive wood mounts and their quick locking device:

- adapted to the instruments of the VION A100LD Ø 125 mm range,
- for mounting 1 (Ref. AS100 1) or 2 instruments either vertically (Ref. AS100 V2) or horizontally (Ref. AS100 H2),
- solid wood with cherrywood finish, fitted with 3 varnished brass fixing clips,
- with exclusive VION engraved polished brass plaque.



➤ Réf. AS100 V2



> FIXING DEVICES AND MOUNTS



Photo : Pierre Contin - Hobie Cat



QUICK LOCKING DEVICE FOR MARINE INSTRUMENTS OF THE A100 SERIES

- Delivered with all instruments of the A100LD series.
- For use with all VION products in the Ø 125 mm range.
- Aesthetic: in charcoal grey ABS, fits perfectly into most boat interiors.
- Screw the base to the wall and simply lock the instrument into place.

➤ Ref. A58LD for serie A100 LD

No more damaged walls due to repeatedly screwing and unscrewing a barometer or clock from the wall.



QUICK LOCKING DEVICE FOR MARINE INSTRUMENTS OF THE A80 SERIES

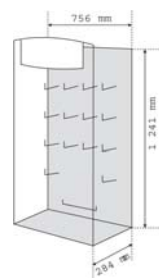
- Delivered with all instruments of the A80 LD series.
- For use with all VION products in the Ø 95 mm range.
- Aesthetic: it fits perfectly into most boat interiors.
- With this polyamide bayonet system instruments are easily fixed and removed.
- Screw the base to the wall, turn to 30° and simply lock the instrument into place.

➤ Ref. A48LD for serie A80 LD

> SALES POINTS



> POINT OF SALES DISPLAY



Discover our product range on the VION display stands in the authorized retail outlets.

www.vion-marine.com

After validating your free extended guarantee, you can access the VION clients zone. The confidential zone is exclusively reserved for clients of the VION brand.

As a member of this unique club for demanding sailors, you will have access to useful advice, news from Yvan BOURGNON and to many other special offers exclusively reserved for our clients.



Yvan Bourgnon



By visiting our web site **www.vion-marine.com**, you will also discover VION's sales points and the different products available at each one.



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