THOR-130
Wind meter

The THOR line is a complete line of
navigation products in which proven
techniques are combined with
present-day technology.

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The THOR line is based on its predecessors – the Sigma, Titan and Falcon lines – and combines analogue and digital technologies in a versatile line of navigation products. The THOR line is suitable for both new construction and the replacement market.

The THOR-130 is a wind speed and wind direction meter. The wind speed is indicated by an analog meter as well as digitally in m/sec or Beaufort, depending on the preferred setting. On the LED screen, the wind direction is indicated. The THOR-130 can indicate relative and absolute wind information without a GPS connected to the wind meter.

Sensors

The THOR-130 wind meter works with a solid-state smart sensor. The sensor measures the wind direction and wind speed by means of ultrasonic sensors. As a result, it does not have any moving parts, which makes the sensor very robust.

LED display

The small LED display in the middle below the analog meter provides a digital reading next to the analog meter for a quick and clear overview of the data provided. General information, feedback and functions are also indicated on the LED display.

Dimming

The display unit comes with a dimmer. When the repeater is used, dimming the main device and the repeater can be synchronized.

Colored scale illumination

The scale of the display unit is illuminated with LED background lighting. The lighting can be set to three different colors: red, yellow or blue, so that night vision can be adjusted to personal preferences.

Wind speed

An analog meter with a scale in Beaufort and m/sec provides a quick indication of the current wind speed. It can be set to Beaufort or m/sec, depending on the user's personal preference. It can also be displayed digitally on the LED screen.

Wind direction

The THOR-130 can indicate the absolute wind direction and the relative wind direction at the touch of a button. This does not require a GPS to be connected to the wind meter. The wind direction is displayed on the LED screen, so that wind direction and wind speed can be viewed at a glance.

Look and feel

The THOR instruments have a slightly lower top, so that an adjustable front can be added. These fronts are available in any color and lay-out you want. The fronts are available in Gorilla Glass or foil.
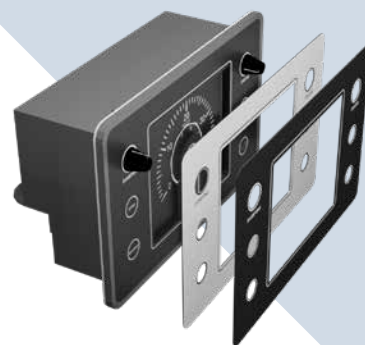
Technical specifications

Display unit

Housing	Powder-coated aluminum
Dimensions	236 x 154 x 80mm
Weight	Net weight 1.30kg
Security	IP-50
Temperature	0 to +55°C
Humidity	0 to 90% non-condensing

Electrical specifications

Main power supply	18-36VDC fused @900mA self-recovering
Backup power supply	18-36VDC fused @900mA self-recovering
Amperage	< 1A (without repeaters)

Optical specifications

Wind speed	0-63m/sec (can also be displayed in Beaufort)
Wind direction	0-360 degrees
Dimmer range	5-100%
Colors lighting	red / blue / yellow

Inputs

- NMEA in IEC 61162 (HDM or HDT or HDG and VTG)
- 1x Ethernet port

Outputs

- External dimmer 15VDC PWM with a maximum of 150mA
- Repeater 0-1mA
- NMEA out IEC 61162 (WIMWV)
- 1x Ethernet port

P-130 Sensor specifications

- Voltage: 10-14VDC
- Power consumption: less than 500mA.
- Wind sensor sends the following signals: Relative wind direction, Relative wind speed, True wind direction and wind speed, outside temperature, air pressure, ground speed
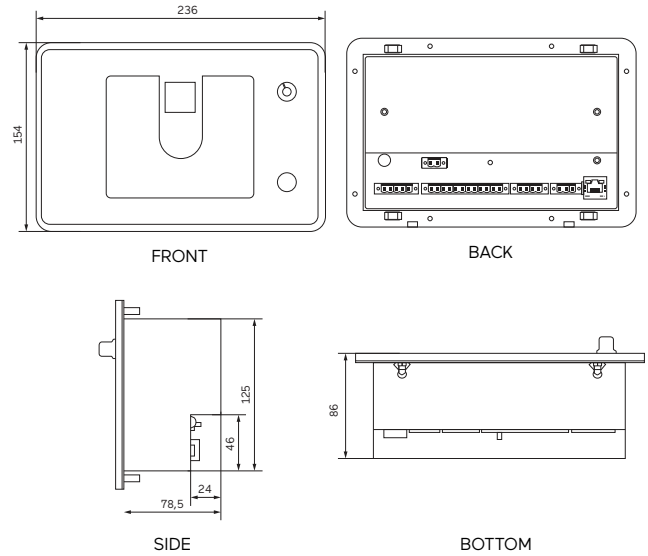
Declaration of conformity

EN 60945 (IEC 945, third edition: 1996-11) Chapters 9, 10, 11 and 12
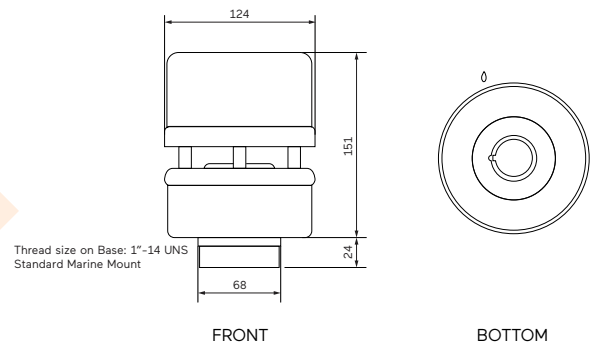
Delivery package

- The THOR-130 Manual
- Display unit THOR-130
- P-130 Smart solid-state wind sensor
- P-130 Manual
- Assembly set

Dimentional Diagrams

Display unit

FRONT

BACK

SIDE

BOTTOM

P-130 sensor

Thread size on Base: 1"-14 UNS
Standard Marine Mount

FRONT

BOTTOM

DEALER NETWORK

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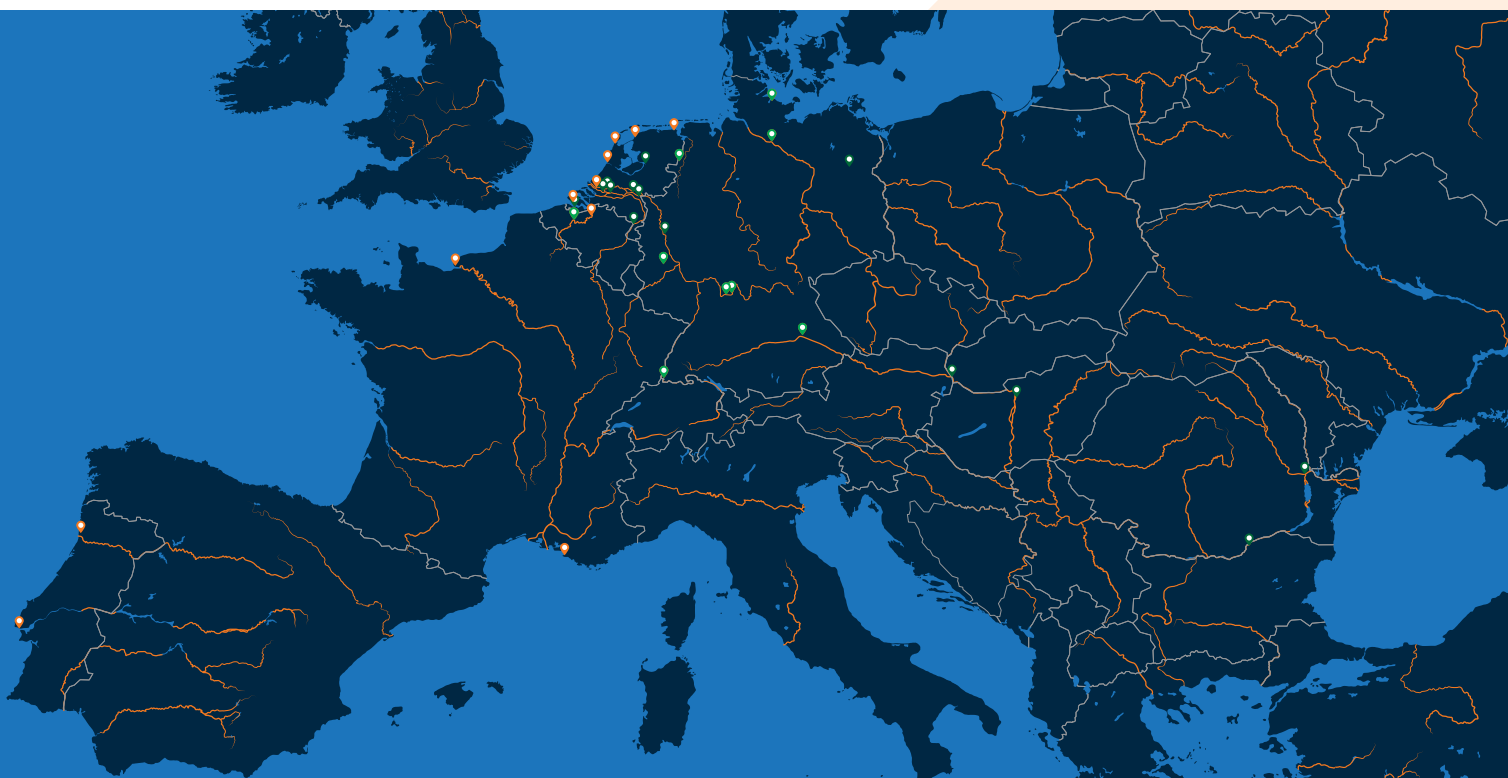
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