



THOR-300

Rate of Turn indicator

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

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-300 is a Rate of Turn indicator that can be set at two different ranges. The THOR-300 can be set to a range of 90 or 270 degrees at the touch of a button. The display unit can be used as a stand-alone unit in combination with the Radio Zeeland autopilots. When used as a stand-alone unit, the THOR-300 display unit comes with the P-300 gyrocompass. Due to the use of linear critical cushioning, the P-300 is always stable, which makes the P-300 unique in its kind. The display unit is protected against surges and ideally suited for inland shipping and large pusher tugs.

Autopilot

The THOR-300 can be used in combination with the THOR-550 autopilot. The display unit can be used as a repeater indicator, so that repeaters can be used at multiple locations.

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

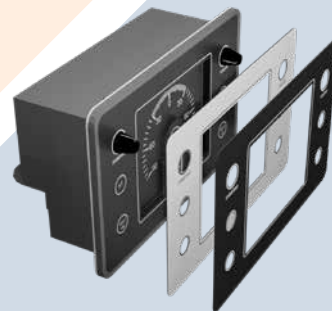
The scale of the display unit is illuminated with LED background lighting. The lighting can be set to three different colors: red, yellow or blue, so that night vision can be adjusted to personal preferences.

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.

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.



The THOR-300 is approved under number e-01-082.

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 | 20-36VDC fused @900mA self-recovering |
| Backup power supply | 20-36VDC fused @900mA self-recovering |
| Amperage | < 1A (without repeaters) |
| Power consumption | < 1.5A |

Optical specifications

| | |
|-----------------|------------------------------------|
| Indicator scale | 90° - 0° - 90° or 270° - 0° - 270° |
| Dimmer range | 5-100% |
| Colors lighting | red / blue / yellow |

Outputs

- External dimmer 15VDC PWM with an NMEA out IEC 61162 (ROT)
- 1x Ethernet port

Inputs

- External on/off 15VDC
- NMEA in IEC 61162 (ROT)
- 1x Ethernet port

P-300 Sensor specifications

- Voltage: 20-36VDC
- Power consumption: < 1A (< 2A during starting up the gyrocompass)
- Measurement range: 90°/min or 300°/min
- Resolution: 0.1°/min at 90°/min 0.5°/min at 300°/min
- Accuracy: < 5% at maximum position
- Start-up time: maximum 60 seconds
- NMEA output (ROT)

Declaration of conformity

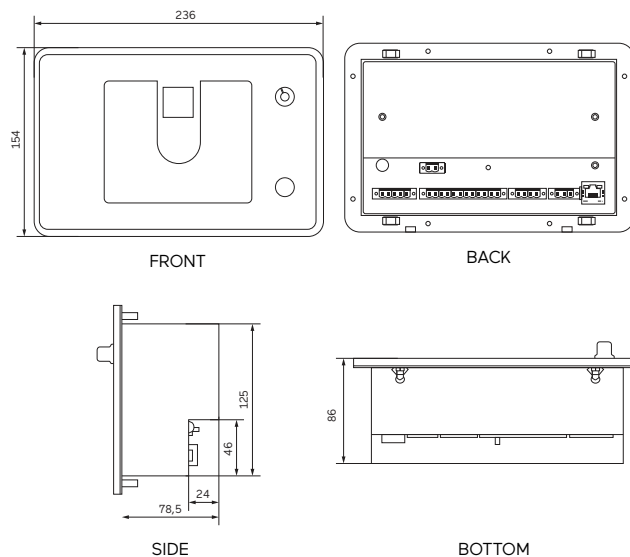
- EN 60945 (IEC 60945: 2002, including corrigendum 1:2008) Chapters 9, 10, 11 and 12
- Minimum requirements for Rate of Turn indicators
- The THOR-300 is a class-B product (protected against weather influences)

Delivery package

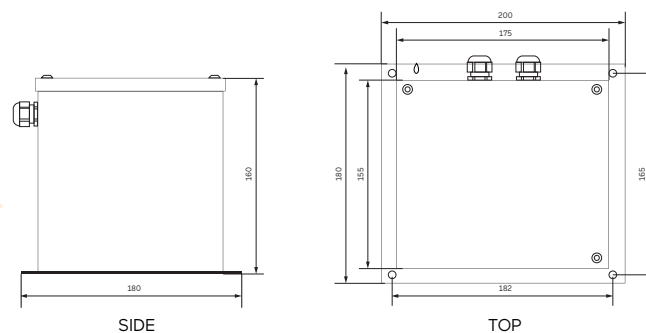
- The THOR-300 Manual
- The THOR-300 display unit
- Assembly set

Dimentional Diagrams

Display unit

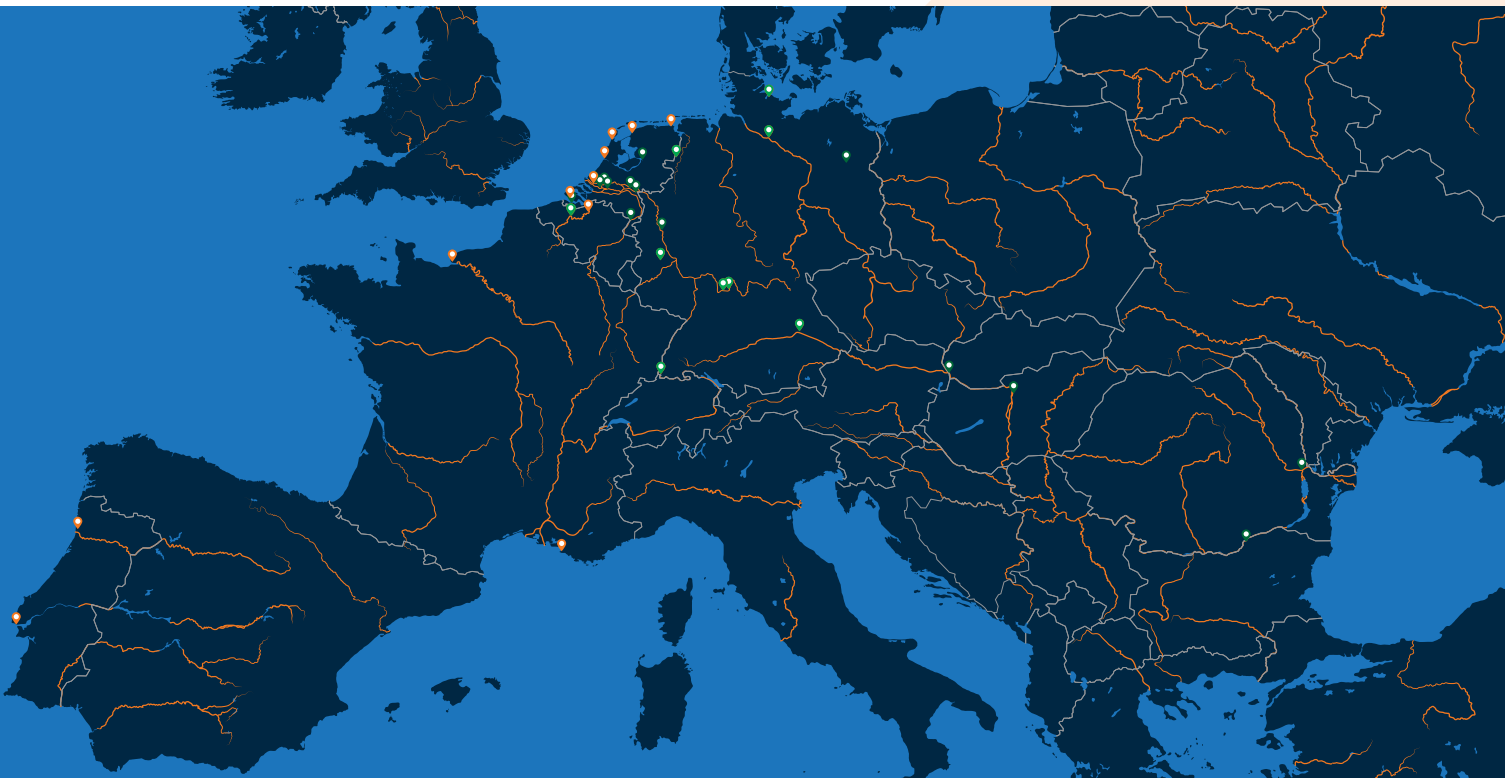


P-300 Gyrocompass



DEALER NETWORK

Radio Holland offers inland shipping entrepreneurs and shipping companies quick and efficient support, service and maintenance. Wherever you are, a professional technical team is at your service 24/7 to solve any problems fast. Besides, our extensive dealer network is always at your disposal, wherever you are, from any berth in the Netherlands to all European inland waterways.



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