

# TITAN-550

AutoPilot



## TITAN:

The Radio Zeeland DMP TITAN line is a completely new navigation line which combines proven techniques with the modern day technology. The TITAN line is based upon its predecessors, the Falcon and Sigma line and combines the analogue and digital techniques into an extremely versatile navigation line. The new TITAN line is suitable for the new build as well as the replacement market.

## Steering:

With the TITAN-550 there are three possible ways to steer the vessel. That is by R.O.T. pilot, by follow up steering, or by an auxiliary pilot.

## Additions:

In some cases it is desirable to expand your pilot with either extra indicators or repeaters, this all lies within the possibilities with the TITAN-550. Whether its one or more additional TITAN-550 or TITAN-650 devices, your wheelhouse will be expandable in numerous ways when installing the TITAN-550 autopilot.

## Colored lighting:

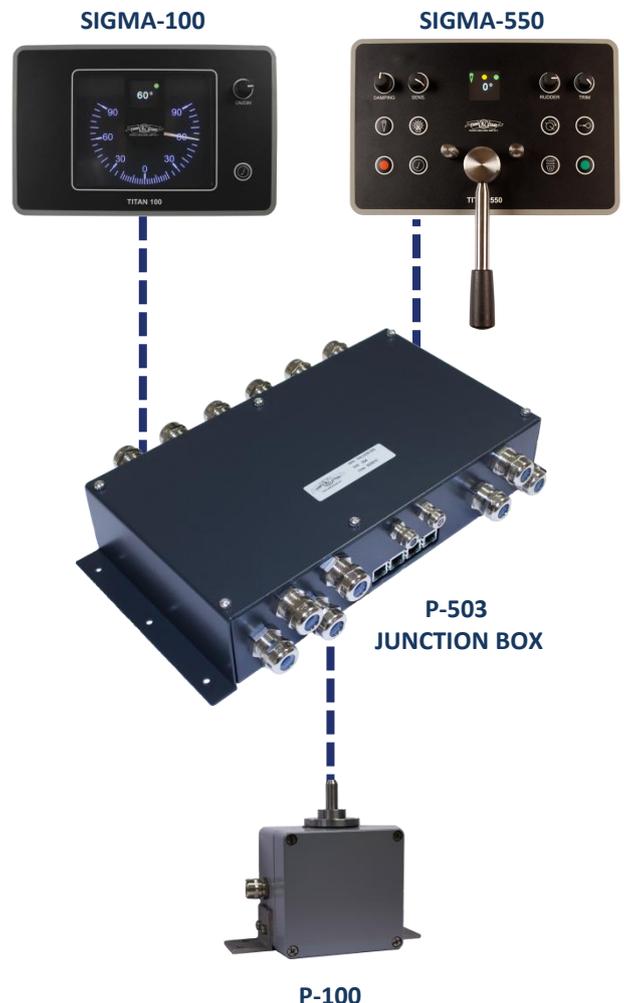
The buttons and indicators of the TITAN-550 are illuminated with EL- backlighting. The TITAN-550 is fitted with a dimming system, which can be synchronized with the rest of the Radio Zeeland DMP system.

## OLED display:

The small OLED display provides a digital read out of the rudder angle, alarms, functions and indications. This ensures a quick and orderly overview of the provided data.

## TITAN-550

The SIGMA-550 operating unit is one of the Radio Zeeland DMP autopilots. Along with the P-503 junction box, the TITAN-100 rudder angle indicator and an optional TITAN-300 rate of turn indicator the TITAN-550 is a complete autopilot set. This system has the unique possibility to be connected to any approved Rate Of Turn Indicator, by use of the P-503 Junction box and P-100 Sensor. This is made possible because the Rudder Angle is indicated on the TITAN-550's OLED display.



## Display unit housing specifications

Housing	Powder coated aluminum
Size	236 x 154 x 80 mm
Weight	Net weight 1,35kg
Protection	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)
Power consumption	< 1,0 A

## In/Outputs

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

## P-100 Sensor specifications

- Supply voltage: 12-36V DC.
- Current consumption: < 200mA.
- Non-contact magnetic recording angle.
- Resolution: 0,5°.
- Zero-point adjustable over the entire field line.
- 360° mechanical and electrical rotation.
- NMEA RSA output signal (not galvanically separated)
- -10V to +10V analog output, galvanically separated.
- DIP switch selectable port feedback unit or starboard feedback unit.

## Declaration of conformity

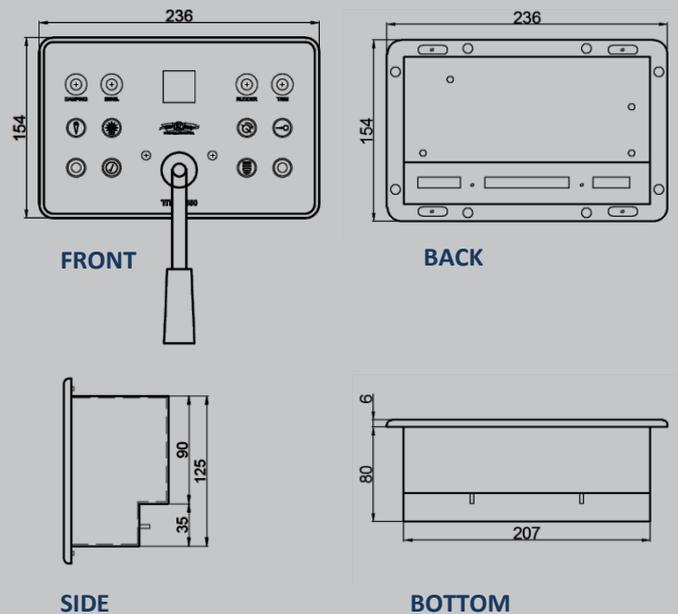
EN 60945 (IEC 60945: 2002, including corrigendum 1:2008)  
Chapters 9, 10, 11 and 12

## Scope of supply

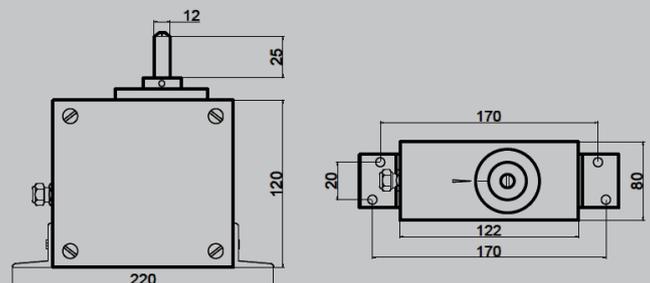
- The TITAN-550 Manual
- Operating unit TITAN-550
- P-503 junctionbox
- P-503 Manual
- P-100 Smart Rudder Angle Sensor
- P-100 Manual
- Assembly set

# Technical specifications

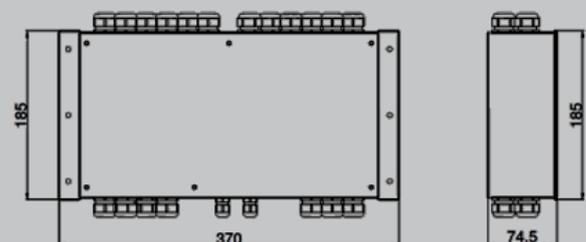
## Dimensions in mm:



## P-100 Sensor



## P-503 junctionbox



Product is subject to change without notice.