

SIGMA-550

AutoPilot



SIGMA:

The SIGMA line is a complete modular range of reliable equipment for inland shipping and inland fishery. Unique is the combination of digital technology and an analog readout.

Steering:

With the SIGMA-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:

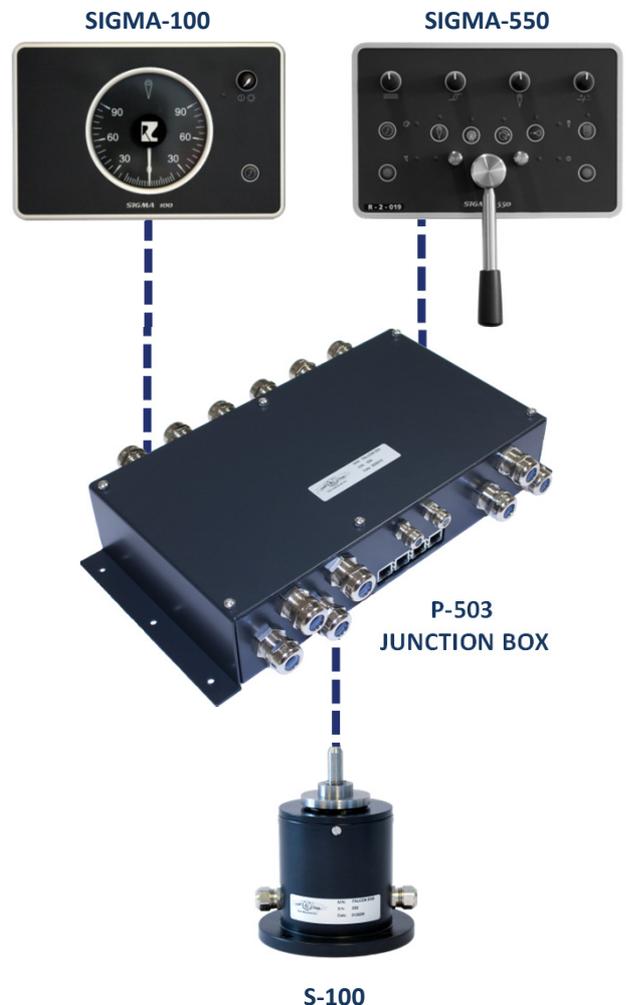
In some cases it is desirable to expand your pilot with either extra indicators or repeaters, this all lies within the possibilities with the SIGMA-550. Whether its one or more additional SIGMA-550 or SIGMA-650 devices, your wheelhouse will be expandable in numerous ways when installing the SIGMA-550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

Colored lighting:

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

SIGMA-550

The SIGMA-550 operating unit is one of the Radio Zeeland DMP autopilots. Along with the P-503 junction box, the SIGMA-100 rudder angle indicator and an optional SIGMA-300 rate of turn indicator the SIGMA-550 is a complete autopilot set. This system can be upgraded with the SIGMA-345 electromagnetic compass and the SIGMA-370 course setter to set a course to steer for the SIGMA-550 autopilot.



RADIO ZEELAND DMP
www.radiozeeland.com

Display unit housing specifications

Housing	Clear anodized 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

Outputs

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

S-100 Sensor specifications

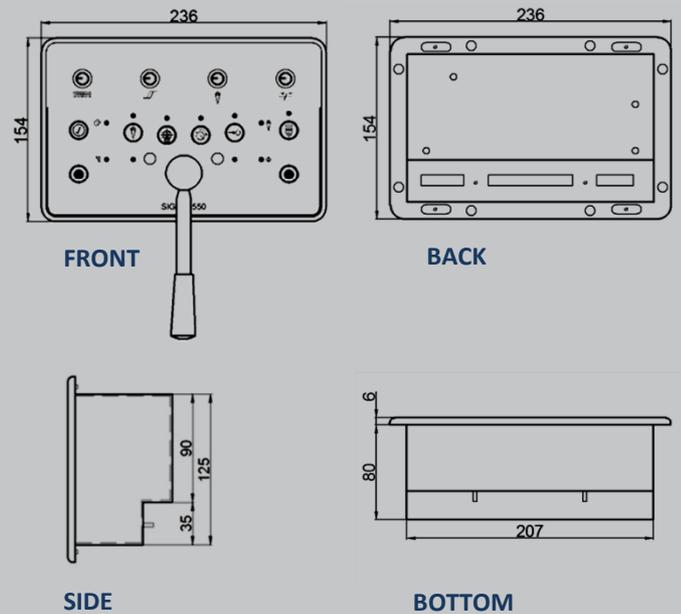
- Supply voltage: 12-36V DC.
- Current consumption: < 200mA.
- Non-contact magnetic recording angle.
- Resolution: 0,5°.
- Zero-point adjustable over the entire field line.
- 360° mechanical and electrical rotation.
- NMEA RSA output signal (not galvanically separated)
- -10V to +10V analog output, galvanically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

Declaration of conformity

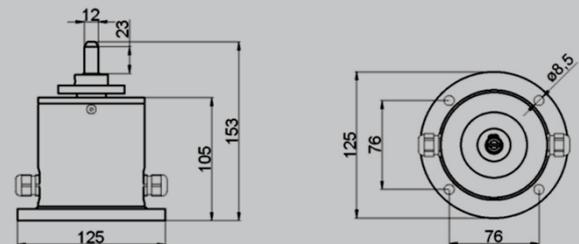
EN 60945 (IEC 60945: 2002, including corrigendum 1:2008)
Chapters 9, 10, 11 and 12

Technical specifications

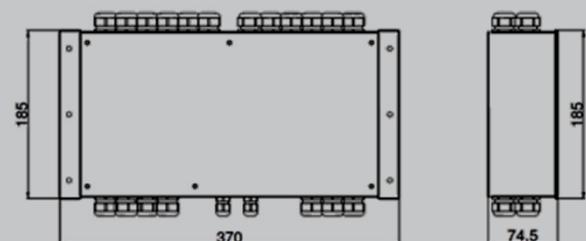
Dimensions in mm:



S-100 Sensor



P-503 junctionbox



Scope of supply

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

Dealer:



Product is subject to change without notice.