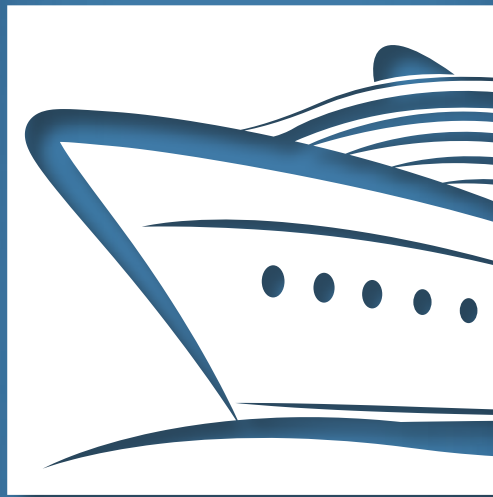


**Setting big things  
into motion.**

**Control Levers.**



# Control Levers

## Double propulsion / Thruster lever D30

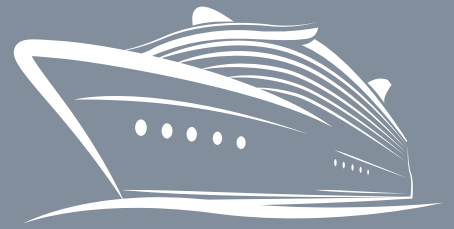
**LED-illuminated scale**  
Optional

**Output signal**  
Current- or voltage output  
respectively CAN-Bus

**Force Feedback**  
Optional

**Available**  
As single thruster S30  
and AZ30 Azimuth





## Rudder control

The naval cruise controller AZ1 is a rugged switching device according to IEC/EN 60945.

### The modular design includes:

- The mechanical control-system for the engine speed 0 - max. rpm. Switching angle 60 degrees with pressure point at 7 degrees and friction brake.
- The mechanical control-system for the steering left / right, 360 degrees with pressure points 4x90 degrees and friction brake.

The AZ1 is resistant to oil, maritime climate, ozone and UV radiation.



## General standards designations

### Technical data and relevant standards:

Maritime navigation and radio communication equipment and systems general requirements according to IEC 60945

Environmental test specification for instrumentation and automation equipment according to DNV

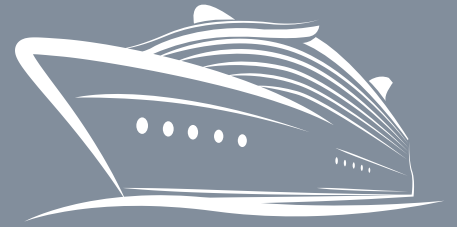
Standard for interfacing marine electronic devices according to NMEA 0183

Hall sensor technology

Mechanical life:	12 million (operating cycles)
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Permissible ambient temperature:	Operation: -40°C to +60°C Storage: -50°C to +80°C
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# Control Levers



Aqua Pilot ND



Aqua Pilot 2000



Azimuth



Sensor Box



Control switch N7



Control Column U25/32



Double Handle Controller D3



Single-axis Controller S3



Single-axis Controller S23

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