

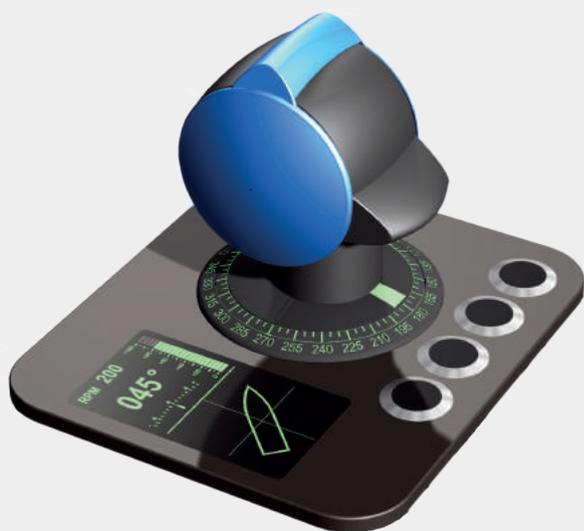
**Setting big things
into motion.**

Control Levers.



Control Levers

Leading Technology



Thruster lever D30 family

Possible features can be included:

LED-illuminated scale

Optional

Output signal

Current- or voltage output respectively CAN-Bus

Possible

As single thruster double thruster, Mini wheel and Azimuth

RPM

Switching angle 60 degrees

Steering 360°

Force Feedback

Optional



Azimuth AZ family

Technical data:

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

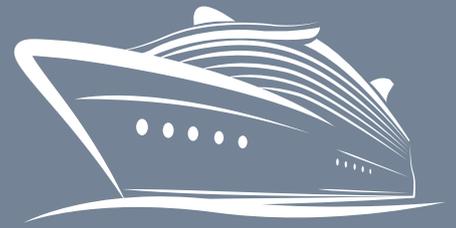
Standard for interfacing marine electronic devices according to NMEA 0183

Hall sensor technology

Mechanical life: 12 million (operating cycles)

Permissible ambient temperature: Operation: -40°C to +60°C
Storage: -50°C to +80°C

Resistant to oil, maritime climate, ozone and UV radiation



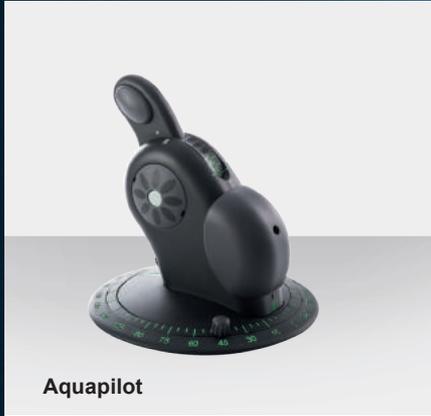
Define your own customized solution including **Force Feedback**



Depending on operational situations of the vessel or vehicle:

- Required haptics to be controlled by customer commands
- Detents with free programmable various characteristics
- Detents and haptic with various strength
- Detents and haptic in various deflection angles
- Possible to turn on illegal areas, which could be forbidden zone, gate or vibrations
- Areas with SW simulated spring return force
- Follow up mode (master-slave-mode)

Control Levers



Aquapilot



Double lever



Azimuth



Sensorbox



Control switch N7



Control column U25/32



Double-handle controller D3



Multi-axis controller V26



Single-axis controller S27

W. Gessmann GmbH
Postfach 11 51
74207 Leingarten
Eppinger Straße 221
74211 Leingarten

Tel. +49 7131 40 67-722
Fax +49 7131 40 67-10
sales@gessmann.com
www.gessmann.com

 **GESSMANN**[®]
Industrial Controllers