K-BRIDGE CONNING

KONGSBERG

INTEGRATED CONNING INFORMATION AND ALARM SYSTEM

The K-Bridge Conning system makes vessel information easily available for efficient monitoring of navigation and automatic track-keeping.

The K-Bridge Conning system is a screen-based information system (26” TFT display) for navigators. It collects sensor input, rudder and propulsion feedback, and steering orders (set-points) from different navigation systems and instruments, and presents them conveniently on a single conning information screen. The data is displayed on and around a representation of the ship that shows the location and status of the thrusters and rudders.

The screen can be easily viewed from a distance of up to two meters.

FEATURES

Orders displayed

The orders displayed on the screen are:

- Course
- Turn radius
- Rate of Turn (ROT)

Own-ship status

Own-ship status information displayed includes the current:

- Heading
- Turn rate
- Rudder angle
- Speed forward, astern and (if supported by the log system) athwart ship
- Pitch of the thrusters (if applicable)
- RPM and pitch (if applicable) of the main propeller
- Water depth
- True and relative wind speed and direction

Track control

The track control information displayed on the screen includes:

- Distance and time to the next WOP
- Off-track distance and limit
- Position receiver selected
- Track steering operator station in command
- Autopilot mode
- Estimated time of arrival

Alarm system

The alarm system includes:

- Bridge watch (BNWAS) alarms
- An (optional) off-course alarm independent of the autopilot
- A full alarm history

TYPE APPROVAL

The K-Bridge system has been assessed and found to comply with the DNV “Rules for Classification of Ships” Pt.6. Ch.8 Sec 6 and Pt.6. Ch.20 Sec 4, including with the specific rules concerning Conning display systems.

ELECTRICAL

Input voltage:	230 VAC +/- 10%
Frequency:	50/60 Hz +/- 5%
Power consumption:	340 W

DISPLAY

Resolution 26”:	1920x1200 pixels

Specifications subject to change without any further notice.

317863C

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