cJoy OT

KONGSBERG

Compact Joystick Operator Terminal

The cJoy Operator Terminal serves as the main operator interface for the cJoy Compact Joystick system.
It can also be used as an additional joystick terminal for the cPos and SDP range of DP systems.
The terminal provides an intuitive and user-friendly tool for joystick, station keeping and autopilot operation.

Features

- 3-axis joystick to control surge, sway and yaw thruster demand
- Heading wheel for heading demand input
- 6.5” high-resolution colour display
- Display page manoeuvring buttons
- Operational mode buttons with indicator lights and double-push action
- Quick access buttons for system functions
- Functions for command request/transfer between operator locations
- Selection of joystick/automatic axis control
- Selection of joystick thrust
- Selection of rotation centre
- Selection of wind compensation in joystick mode
- Change heading and position selection
- Joystick calibration function
- Dedicated alarm page
- Alarm indicator/buzzer with silence button
- Power indicator with power failure alarm.
- Panel and display illumination adjustment
- Automatic detection of panel location and orientation from junction box
- Panel test function.
- Joystick calibration function

Description

The cJoy Operator Terminal provides the operator with all necessary facilities to control a vessel in joystick and autopilot mode as well as for station keeping.
The operator panel is ergonomically designed so that the operator can easily make the necessary adjustments and give control commands.
The computer and all electronics are housed in a self-contained desk/console mountable unit.
The terminal communicates with the cJoy Controller and other cJoy Operator Terminals via LAN. Up to six cJoy Wing Terminals can be connected to one cJoy Operator Terminal.
The connection between the terminal and the controller is established via a junction box. The junction box connector is coded to enable the terminal to automatically adjust display views and joystick axes according to the orientation of the operator position.

Technical Specifications

Standards Applied

The equipment is designed to conform to the following standards:

- EN 50081-2 Electromagnetic compatibility - Generic emission standard, Part 2: Industrial environment
- EN 50082-2 Electromagnetic compatibility - Generic immunity standard, Part 2: Industrial environment
- EN 60204 Safety of machinery - Electrical equipment of machines, Part 1: General requirements
- EN 60945 Marine navigation and radio communication equipment and systems - General requirements: Methods of testing and required tests
- IACS E10 Unified environmental test specification for testing procedures for electrical, control and instrumentation equipment, marine computers and peripherals covered by classification

CE Marking

The equipment conforms to the relevant EU directives.

Type Approval

The cJoy Operator Terminal is designed for type approval by:

- Det norske Veritas (DnV)
- The American Bureau of Shipping (ABS)

Dimensions

Height:	260 mm
Width:	583 mm
Depth:	180 mm
Weight:	6 kg

Electrical

Input voltage:	24 VDC (+10%, -15%)
Power consumption:	maximum 30 W
	typical 20W

Environmental Specifications

Note:

Exposing the electronics to the limits of its environmental specification will affect the equipment's expected lifetime.

Ambient temperature	
operational:	-15° C to 55° C
storage:	-20 °C to 60° C
Ambient humidity	
operational:	40% to 90% relative humidity, non condensing
storage:	less than 95% relative humidity, non-condensing
Acoustic noise	<40 dB

Cabinet Specification

Material:	aluminium
Protection standard:	IP44 when built-in
Colour:	grey, NCS S 6500-N

Interfaces

The cJoy Operator Terminal can be interfaced to up to six cJoy Wing Terminals via a CAN bus interface.
The interface to the cJoy Controller Unit and other cJoy Operator Terminals or cPos Operator Stations is via a LAN.

Article Numbers

cJoy Operator Terminal	603201
cJoy Operator Terminal Junction Box with cable	603202

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