

Compact DP Operator Station

The cPos Operator Station provides an intuitive and user-friendly tool for joystick, dynamic positioning and autopilot operation.

The cPos Operator Station is designed to be built into any bridge console.



Features

- 17" high-resolution colour flat screen TFT display
- 3-axis joystick
- Operational mode buttons with indication lights and double-push action
- Quick access buttons for commonly used functions
- Input wheel for easy setting of new wanted heading and position
- Functions for command transfer between operator locations.
- Selection of joystick/automatic axis control
- Selection of joystick thrust
- Selection of rotation centre
- Joystick calibration function
- Dedicated alarm view
- Alarm indicator/buzzer with silence button
- Power indicator with power failure alarm
- Panel and display illumination adjustment
- Panel test function

Description

The cPos Operator Station provides the operator with all necessary facilities to control a vessel in joystick, auto positioning and auto pilot mode.

The operator panel is ergonomically designed so that the operator can easily make the necessary adjustments and give control commands.

The cPos Operator Station comprises

- Operator panel and joystick unit
- 17" flat screen TFT display
- Marinised Windows XP computer

The panel electronics are housed in a self contained desk/console mountable unit.

The station communicates with the cPos Controller Unit. It can further connect up to six cJoy Wing Terminals for joystick manoeuvring and six cJoy Operator Terminals.

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 cPos Operator Station is designed for type approval by:

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

Dimensions

Operator panel

Height: 260 mm
Width: 583 mm
Depth: 180 mm

Display

Height: 400 mm
Width: 460 mm
Depth: 71 mm

Electrical

Operator panel

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

Display

Input voltage: 115/230 VAC
Power consumption: 300 W

Computer

Input voltage: 115/230 VAC
Power consumption: 220 W

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

Technical Specifications

Operator panel

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

Display

Protection standard: IP44 when built-in
Colour: black, NCS S-9000-N

Interfaces

The cPos Operator Station can be interfaced to cJoy Wing Terminals via a CAN bus.

The interface to the cPos Controller Unit and cJoy Operator Terminals is via a LAN.

