

Master clock Mark 1 TC



- Management of UTC and LT time on board ships
- Operation of slave clocks
- Output signal for various purposes
- Back-up System

Management of time on board ships

The Master Clock Mark 1 TC from SMT is the ideal solution for management of both local time and UTC time on board ships. With many years of experience, our Master Clock Systems has proven very reliable and user-oriented.

Main features

Track on LT and UTC time Operation of up to 200 slave clocks. Serial communication to other systems. Output signal for various purposes. Programmable Relay outputs.

Operation of Master Clock

Master Clock Mark 1 TC is provided with a user-oriented keyboard, used for adjustment of time, programming, test and light-dimming. The built-in display has 2 lines, indicating LT, UTC, date and year during normal operation.

Furthermore, the display provides guidance for the operator during programming and activation of function keys.

Back-up

Master Clock Mark 1 TC is provided with back-up for all functional setups. The UTC and LT time are not stopped during power off, but continues running in memory. When power returns, all slave clocks are adjusted to correct time and a serial time signal is transmitted to all external units connected (PC, Voyage Recorder, Alarm Systems, etc.)

Design

- Table mounting
- Flush mounting

Dimensions

- Length: 449 mm
- Height: 133 mm
- Depth: 266 mm
- Suitable for Rack mounting
- Weight 5,5 kg.

Input

- RS232 or NMEA0183
- GPS.

Output

- Polarized minute and second impulses for digital, analogue and intelligent self synchronizing slave clocks
- Serial RS232 or RS422/485 output i.e. to the ship's computer, Voyage Recorder, telephone exchange, etc.
- Programmable Relay outputs.
- Ethernet LAN, (Option).

Example of Electrical Connections

