zenitel

DATASHEET



4000019415

P-8300 MkII Sound Reception Display Unit

Sound Reception main display unit

- Compatible with IEC61162-450
- Easy installation
- Web-interface
- Amplifies meaningful sounds within a 70-2100 Hz range
- 5 pairs cabling via junction box (optional)
- Adjustable volume and dimmer
- Option for additional slave display units
- Approved according to;
  - *MED*
  - *UK MER*
  - *ISO 14859*
  - *IEC 60945: 2002*
  - *Parts of E10 (EMC and Operational Temperature)*
  - *IEC 61162-1:2016 / -450:2018*
  - *IEC 62288: 2021*
- *Type Approvals:*
  - *DNV*
  - *DNV - MED*
  - *DNV UK - MER*
  - *ABS*
  - *CSS*
- Console Mounted, 24V

MED Certification MER Certification

Description

The Phontech Sound Reception Display Unit P-8300 MkII is designed to receive and detect foghorn sounds from other marine vessels in the range of 70-2100 Hz. The P-8300 MkII is for use on-board one-man operated closed bridge class ships.

Connected to an omnidirectional microphone/antenna unit mounted outside of the vessel, the P-8300 MkII main display unit will reproduce and amplify incoming sounds from all directions and indicate the approximate direction of the nearby ship by clear light indications.

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By using high capacity microcontrollers and sophisticated software algorithms this digital system has superior performance, both for noise suppression and direction detection. Through the self-calibrating functionality, it is also is very easy to install.

The P-8300 MkII main display unit includes a web interface for easy configuration as well as a status (error) indication, control knob for adjustable volume, dimmer and LED test. The WEB interface configuration contains provisions for:

- Error description
- Network settings
- IEC 61162-450 settings
- Syslog settings
- Audio Settings
- Logging events
- Detection direction: Fore/aft (reverse)
- Master/Slave setting
- Direction alignment setting
- Detection Pointer hold time
- Firmware update
- Factory Reset
- Reeboot

This P-8300 MkII Sound Reception System is MED-approved and is wheel marked according to MED-B according to(EU) 2022/1157.
It is also UK-MER-D / UK-MER-B approved according to UK) MSN.1874.

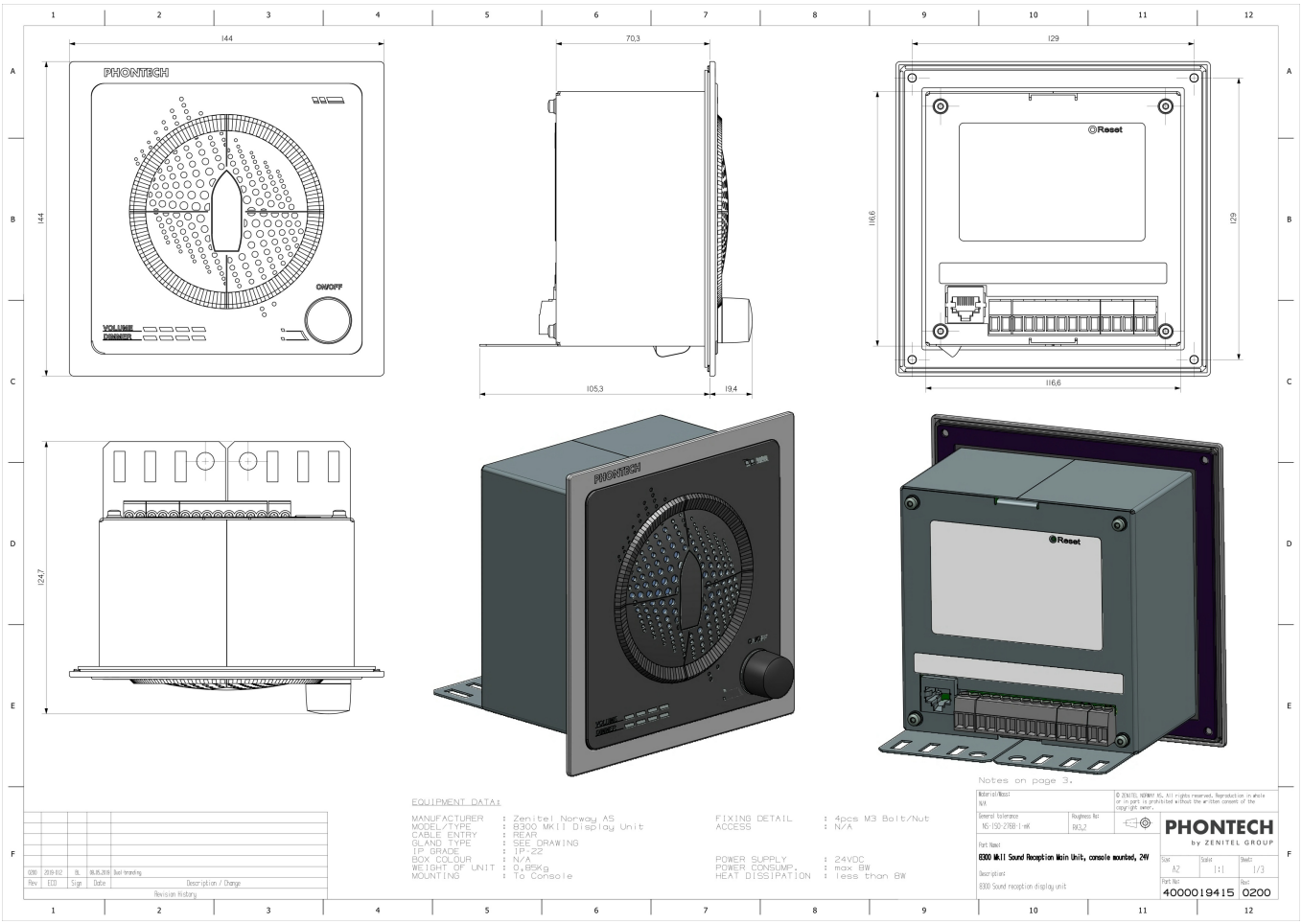
The unit has DNV/ABS/RMRS/CCS type approvals.

The P-8300 MkII Sound Reception System is also designed to meet;
SOLAS Chapter V - Safety of navigation - Regulation 19*Carriage requirements for shipborne navigational systems and equipment.*
IMO Res. A.694(17) *General requirements for shipborne radio equipment forming part of the Global Maritime Distress and Safety System (GMDSS) and for electronic navigational aids.*
IMO Res. MSC.36(63) *Adoption of the international code of safety for high speed craft (1994).*
IMO Res. MSC.86(70) *Adoption of new and amended performance standards for navigational equipment.*
IMO Res. MSC.97(73) *Adoption of the international code of safety for high speed craft (2000).*
IMO Res. MSC.191(79) *Performance standards for the presentation of navigation-related information on the shipborne navigational displays*

Technical Dimensions

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Specifications

MECHANICAL	
Dimensions (WxHxD)	144x144x124 mm
Weight	0.85 kg
Material	Silicone / Thermoplastic / Sheet metal (aluzink - aluminum-zinc coated steel)
Color	RAL 7021 / RAL 7043
Mounting	Flush / Console (optional wall mounting box)
Fixing	4 x M3 bolts
Access	Front
Cable Entry	Rear
Manufacturer	Phontech by Zenitel

ENVIRONMENTAL	
Temperature	-15°C to +70°C
Humidity	+93% (at +40°C)
Ingress Protection	IP-22

ELECTRICAL	
Power Supply	21 – 32 VDC
Power Consumption	8W max, 4W typical
Heat Dissipation	< 8W
Termination	Screw terminals, ≤ 2.5 mm2
Compass Safe Distance	> 2.2 m

Accessories

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Wallbox for CIS & SRS - (144mm)

Wallbox for CIS Talkback System and SRS P-8300 MkII - (144mm

Item Number: 4000014256P



RJ45 Port locker kit, 10 locks, 1 key, for maintaining Cyber Security

RJ45BLOCK

Item Number: 1000141

Used With



P-8301 MkII Microphone Unit

Microphone/Antenna Unit

Item Number: 4000019416



Junction Box for P-8301 Microphone

Item Number: 4000019634

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