BlueTraker



# ConBox

## DATA SHEET




**ConBox 2023** is a wiring box (connecting BlueTraker VMS terminal, vessel power supply, and optionally other devices and sensors) purposely designed for fisheries monitoring applications. **ConBox 2023** provides a wide range of features, including alert triggering and fishing activity reporting, texting with FMC (only LCD), current geo-location information (only LCD), on-board VMS system status, and much more.

## TWO VERSIONS, A SEA OF POSSIBILITIES:




List of **ConBox 2023 LED** functionalities:

- "Alert" button (distress/panic/SOS trigger)
- "Fishing mode" and "Port mode" button selector
- Power LED, satellite and GNSS signal indicators
- "Message Waiting" and "VMS Warning" indicators
- Tamper-evident security seals with serial numbers
- Electronic logbook ready
- Sound alerting (built-in buzzer)
- ConBox Firmware Remote Upgrade feature
- Front panel localisation (optional)
- External powerful buzzer (optional)




In addition to everything available in the LED version, **ConBox 2023 LCD** also includes:

- Colour LCD graphic display (3,5")
- Visual alerting (displayed on the LCD screen)
- Receive and display TEXT message (from FMC)
- Select and send a preconfigured TEXT message to FMC
- Content localisation (texts and reports on the LCD in local language)
- Current GPS position information (latitude and longitude)

Button functionalities, LCD display messages, and front label markings can be **made-to-order and localized** to customer specifications.

# ConBox 2023
# Technical Specification

| | |
|---|---|
| **Physical** | |
| Outer dimensions (W x H x D) | 235 mm x 122 mm x 79 mm (without connectors)<br>250 mm x 142 mm x 79 mm (including connectors) |
| Weight | 0,9 kg |
| **Environmental (as defined in IEC 60945)** | |
| Operating Temperature | -15° C to +55° C |
| Storage Temperature | +70° C max. |
| Humidity | up to 95% relative humidity, non-condensing |
| Water and Dust Ingress Protection | IP66/IP67 |
| Sound Pressure Level | 55 dB @ 1 m distance (for audio alert) |
| Compass Safe Distance | TBD |
| **Electrical** | |
| Nominal Power Supply | 12 V DC or 24 V DC |
| Operating Power-Supply Range | 9 V DC to 36 V DC |
| Average Power Consumption | 0,6 W @ 12 V DC |
| Battery Backup Power Supply | Li-Ion battery; 3,7 V; 5000 mAh capacity |
| Power Supply Input Protection | • Resettable Fuse<br>• Over voltage protection above 36 V DC<br>• Level 4 ESD protection according to ISO 61000-4-2<br>• Load Dump protection according to ISO16750-2:2012 |
| **Connectivity** | |
| Electronic logbook port | USB or RS485 |
| CAN bus | Native CAN (NMEA 2000 and J1939 as an option) |
| *optional* | 2x Protected Isolated Digital Input Port (max. input 100 V DC) |
| *optional* | 1x Protected Relay Output (max. 60 V DC / 0,5 A) |

**ConBox is not a stand-alone device and must be connected to BlueTraker VMS terminal for proper operation. See installation manual for details.**

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