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)

ConBox 2023
Technical Specification

Physical

Outer dimensions (W x H x D)	235 mm x 122 mm x 79 mm (without connectors) 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	IP65
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
Power Supply Input Protection	• Resettable Fuse • Over voltage protection above 36 V DC • Level 4 ESD protection according to ISO 61000-4-2 • 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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WIRELESS DATA SOLUTIONS