Printed Matter No. WaveBuoy – Block 4 – Q1 2021 Obscape Buoy

Valid from Serial No. PTM4001

Safety Information





To reduce risk of injury, everyone using, installing, repairing, maintaining, changing accessories on, or working near this device MUST read and understand these instructions before performing any such task. DO NOT DISCARD - GIVE TO USER



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These Safety instructions concern Safe: operation, handling and storage of your Obscape device.

Up to Date Safety and Maintenance instructions can be obtained from www.obscape.com

NOTICE: The data display on the Obscape Data Portal is sourced directly from automatic monitoring equipment (i.e an Obscape WaveBuoy). It is not reviewed or passed through quality control. You should not rely on the raw information/data for any purpose whatsoever. NOT FOR NAVIGATION. Please refer to our Legal Section.

It is vital that the operator has read and fully understood the instructions before using this product.

Keep instructions safe for future reference and make sure that any individual who handles or engages with an OBSCAPE B.V device has complete access to them.

Failure to follow these Safety instructions may result in injury or damages.

OBSCAPE B.V cannot be held accountable for any and all liabilities, obligations, damages, injuries, penalties, claims, demands, actions, suits, judgments and all costs, expenses or disbursements of whatsoever kind and nature imposed on, asserted against or incurred by Obscape B.V in any way relating to or arising out of this Safety Information booklet, or any other document and information executed in connection with OBSCAPE B.V or the enforcement of any of the terms of, or the preservation of any rights under any thereof, or in any way relating to or arising out of the delivery, storage, possession, operation, condition, sale, return or other disposition, or use of the Collateral (including, without limitation, latent or other defects, whether or not discoverable), the violation of the laws of any country, state or other governmental body or unit, any tort (including, without limitation, claims arising or imposed under the doctrine of strict liability, or for or on account of injury to or the death of any Person (including any Indemnitee), or property damage), or contract claim; provided that no Indemnitee shall be indemnified pursuant to for losses, claims, damages, expenses or liabilities to the extent caused by the gross negligence, bad faith or willful misconduct determined by a court of competent jurisdiction in a final and nonappealable decision).

Our goal is to produce monitoring equipment, systems and devices that help you work safely and efficiently.

The most important safety factor for the use, operation, handling and storage of this device and for any equipment is YOU.

Your care and good judgement are the best protection against injury.

This device must not be modified for product liability and safety reasons. Only qualified and trained operators should install, adjust or use this device.

All possible hazards cannot be covered here, but we highlight some of the most important. For additional safety information consult:

- Other documents and information packed with this device.
- Your employer, union and/or trade association.
- Appropriate standards as referred to in the EC Declaration of Conformity or OSHA.

Further occupational health and safety information can be obtained from the following websites:

http://www.osha.gov(USA)

http://europe.osha.eu.int (Europe)

Safety signal words

The safety signal words Danger, Warning, Caution, and Notice have the following meanings:

DANGER indicates a hazardous situation which, if not avoided, **will** result in death or serious injury.

WARNING indicates a hazardous situation which, if not avoided, **could** result in death or serious injury.

CAUTION, used with the safety alert symbol, indicates a hazardous situation which, **if** not avoided, could result in minor or moderate injury.

NOTICE is used to address practices not related to personal injury.

Maintenance and disposal

Deployment, storage, and disposal of the product may only be undertaken by persons who:

- Are physically able to handle the bulk and weight of the device.
- Adhere to and are aware of all the relevant national safety instructions and accident prevention instructions.
- Have read and understood the operating instructions.
- Utilise the Obscape Maintenance Kit provided with delivery of new purchase.
- It is advised that Maintenance be undertaken in an authorized Workshop.
- HSE company protocols are adhered to.
- Prior notifiy and are authorized by Obscape B.V in writing.

Handling

Handling of the product may only be undertaken by qualified operators.

Operators are qualified if they:

are physically able to handle the bulk, weight and do not suffer from any physical ailment detrimental to their physical wellbeing. For any heavy equipment, gear and/or equipment, take care to lift properly and wear necessary lifting gear (e.g., back braces). Always wear gloves when handling any equipment to protect hands from any have sharp edges or points, and Safety Shoes to prevent injury.

Deployment

Personnel safety should be the number one priority when deploying equipment in the field. It is essential to assess weather conditions for safe operation, use the proper safety gear (e.g. life jacket), equipment (work boat, lifting rig, etc.) and applicable good quality tools to deploy any monitoring devices in the field. Device systems may be heavy, and personnel can quickly become entangled (e.g. mooring lines and anchors. Safety PPE and flotation gear/working at heights gear should be worn at all times when working on or near the water, at heights, construction sites or any other environment with potential of exposure to hazardous conditions.

For any heavy equipment, gear and/or equipment, take care to lift properly and wear necessary lifting gear (e.g. back braces). Always wear gloves when handling any equipment to protect hands from any sharp edges or points.

Adverse weather conditions, water level fluctuations, currents and wave action, debris loads, and other factors can cause entanglement of mooring lines, submersion of the equipment, and damage to sensors and other components. Obscape does not endorse any particular mooring strategy for any application unless the end user performs a thorough review of the site conditions with the Obscape engineering team.

Remember to perform a complete system test on shore/at stores before deployment, as sensor and communication issues are much easier to troubleshoot before the buoy is in the water.

Obscape B.V. makes no warranty, either express or implied, with respect to the vessel utilized to transport and deploy the device. This includes but is not limited to any air, land and/or water based: boat, craft, liner, hydrofoil, air cushion vehicles (hovercraft), barges, vessels under repair, vessels suitable for inland navigation but which are also authorised to navigate at seas (mixed seagoing and inland waterways vessels)

Obscape absolves itself from any injury or damages caused as a result of met weather conditions and disclaims all liability from reference on it.

Only those personnel who:

- are trained to operate the product in conformity with national directives.
- are aware of all the relevant national safety instructions and accident prevention instructions.
- have read and understood operating instructions.

Personal protective equipment

WARNING Entanglement hazard

- Do not wear jewelry and loose clothing.
- Keep neckwear away from mooring and accessories to avoid choking.
- Keep hair away from tools, devices, and accessories to avoid injury.

The personal protective equipment must conform to all the applicable health and safety regulations.

Always wear good condition and correct personal protection that is valid for the working environment and prescribed by national law.

Drugs, alcohol and medication

Drugs, alcohol and medication may impair your judgement and powers of concentration.

WARNING Poor reactions and incorrect assessments can lead to serious accidents or death.

- Never operate the product when you are under the influence of drugs, alcohol or medication.
- Prevent other people from using the product if they are under the influence of drugs, alcohol, or medication.

Installation, Operation and Maintenance: precautions:

WARNING Explosives and explosive gases, explosion hazard:

If the product comes into contact with explosives, an explosion could occur. Explosions can lead to serious injuries or death.

- Never operate the product near explosives.
- Never work in a highly flammable or explosive environment.
- Make sure there are no hidden gas sources in your working area.

WARNING Electric shock

Should the product come in contact with electric circuits or other electrical power sources, there is a risk of serious injury or death.

- Never work near electric circuits or other electrical power sources.
- Make sure there are no hidden electric circuits in your working area.
- open up the housing in a dry and safe environment. Water + electronics may lead to electric shock, fire, etc. If suspicion of leakage in electronics compartment, be extra cautious when opening housing.

WARNING hazard

Housing may be pressurized, either due to temperature differences or due to battery degassing. If suspicion of overpressure in housing, be extra cautious when opening.

WARNING hazard

When working with, storing, handling or maintaining the device, work with approved safety equipment, and work in a well-ventilated, moisture free and dry area. To reduce exposure of electronics to moisture or water damage, never open the housing in or around a water-based environment.

Avoid inhaling dust or handling debris from the work process during maintenance or storage which can be harmful to your health.

WARNING Projectiles

Always wear impact-resistant eye and face protection when engaging in or working near the operation, repair or maintenance of the device or changing mounting accessories (e.g: mooring)

Battery storage, disposal, and safe use:

The lithium batteries used in our proprietary devices are matched to the specific device use and are safe by design, for use with the Obscape device's solar charging panels. Replacement of batteries must be undertaken by an authorized and trained technician using Obscape Batteries only. Failure to follow Battery maintenance may be considered a breach of Warranty.

Follow the battery disposal advice of the relevant national waste safety instructions management guidance. Battery cells that are disposed of should be protected against short circuit in the waste stream and exposed terminals should be covered with insulating tape before disposal.

Spare parts

The use of any other than genuine Obscape replacement parts may result in decreased performance and increased maintenance and may, at the company option, invalidate all warranties.

Warranty

Contact the Obscape sales representative within your area to claim a warranty. Warranty will only be approved if the product has been installed, operated, and overhauled according to the Operating Instructions.

Please also see the delivery conditions applied by the conditions of sale.

Useful information

Log in to Obscape: <u>www.obscape.com</u>

Information concerning our instruction manual, products, accessories, spare parts and published matters can be found on our website.

Decommissioning

Recycling instruction

When a product has served its purpose, it has to be recycled properly. Dismantle the product and recycle the components in accordance with local legislation.

In keeping with European directive 2002/96/EC (Waste Electronic and Electrical Equipment) and the provisions of IMO Resolution A.962(23) (Guidelines On Ship Recycling), Obscape strongly recommends that its products, including any battery packs, be disposed of in a considerate and legal manner.

General information

Design and function - warranty void

This device is intended for monitoring and observation of an environment to which it is suited for. The device, its attachments and accessories must only be used for the purpose for which they were designated, all other use is prohibited, and warranty voided for the following but not limited to:

- Never open, cut or intentionally drop or damage the device.
- Never use unapproved replacement parts and or accessories.
- Never attach unapproved external or 3rd party monitors and sensors.

Maintenance housekeeping

- Select the appropriate tool for the worktask.
- Use PPE equipment to suit the environment and as per prescribed by government legislation.
- Use the maintenance kit provided and highquality tools or consumables to minimize damage and injury. Never over or under Torque Fasteners. Ensure bolts are fastened with a good quality, ILAC equivalent and date valid certified torque wrench 25 – 30Nm Max.
- Minimize exposure to reaction forces and pinch points.
- We, **Obscape B.V.**, cannot be held liable for the consequences of using the declared values, instead of values reflecting the actual exposure, in an individual risk assessment in a workplace situation over which we have no control.
- This device may cause injury if its use is not safely deployed, handled, stored or transported. We recommend a health and safety assessment of all possible environments the device may be exposed, to detect potential hazards, which can be modified to help prevent future impairment.

Obscape B.V.

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