

# MINI VIBROCORER



## **A simple solution to the problem of sampling dense/compacted sediments in off-grid areas with limited handling capacity**

For use in dense/compact sediments in up to 50m water depth.

Easy to assemble system offering cores of 2m.

Assemble dockside or on vessel with over stern or side deployment.

Suitable for a wide range of vessel sizes starting from ~4-5m.

Variable speed vibrator motors engage once unit is on the sea floor to drive the core barrel into the bed.

Cutting shoe and core catcher specifically designed to minimise sample disturbance.

Unit designed for easy recovery to the vessel or deployment platform, and easy recovery of the core.

System can be quickly and easily deployed, delivering a well defined core.

Carbon steel construction.

PVC Core barrel liner.

60.5mm diameter sample.

## Specifications

### Corer

|                 |                   |
|-----------------|-------------------|
| Height          | 2.75m             |
| Weight          | ~65kg (no sample) |
| Vibration force | 5.72kN            |
| Barrel length   | 2m                |
| Material        | Carbon Steel      |
| Core liner ID   | 60.5mm            |

### Power & Control Box

|        |  |
|--------|--|
| Power  | 150Ahr 24VDC Gel-Cell Rechargeable Battery |
| Weight | 40kg                                       |

|                   |     |
|-------------------|-----|
| Max working depth | 50m |
|-------------------|-----|



## Features

### Vibrocorer

- Threaded Carbon Steel Barrel with rotational barrel joint for easy recovery
- Anti-return valves
- Core Cutter
- Core Catcher

### Power & Control box

- Self-contained operation
- Waterproof control box
- On/off & Variable speed control switches
- Rechargeable from mains (24VDC to VAC charger included)
- Can be operated from 24VDC 12A vessel supply

## Applications

- Mobile Research Platforms

FOR FURTHER INFORMATION PLEASE CONTACT:

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