MINI VIBROCORER

OSIL

A simple solution to the problem of sampling dense/compacted sediments from vessels with limited handling capacity

Not all vessels have the capacity to deploy large sediment coring systems over the stern, so OSIL have developed a miniaturised version of their high power vibrocorer system for easy deployment from vessels of opportunity.

The system can be operated as a standalone battery powered system (with sufficient power to run the vibrocorer continuously for ~4 hours), or can be powered from the vessel supply if available.

- 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.
- 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 can be quickly and easily deployed, delivering a well defined core.
- Carbon steel construction.
- PVC Core barrel liner.
- 66.5mm diameter sample.

Specifications

Corer	
Height	2.75m
Weight	76kg (no sample)
Vibration force	5.72kN
Barrel length	2m
Material	Carbon Steel, PVC core liner
Core liner ID / OD	66.5mm / 70.5mm
Power & Control Box	
Power	50AHr 24VDC Gel-Cell Rechargeable Battery or vessel supply
Weight	40kg
Max working depth	50m

Features

Vibrocorer

- Threaded Carbon Steel Barrel
- Anti-return valves
- Core Cutter
- Core Catcher

Power & Control box

- Self-contained operation
- Waterproof control box
- Rechargeable from mains (24VDC to VAC charger included)
- Can be operated from 24VDC 12A vessel supply

Applications

- Mobile Research Platforms
- Off-grid sampling
- Pre-site Surveys
- Civil Engineering

FOR FURTHER INFORMATION PLEASE CONTACT:

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