



EEL

Seismic Module

Description

Designed exclusively for use with the Manta-200, the Seismic Module enables high-precision subsurface investigations down to 1,500 meters. Equipped with a Cone Deployment System (CDS), it supports push-in and pull-out operations with CPT rods of 35 mm or 55 mm in diameter. By generating and measuring shear waves, this module accurately assesses the density of soils and seafloor sediments, providing critical data for geotechnical and marine investigations. Seamlessly integrating with the Manta-200's existing systems, it offers a reliable solution for Cone Penetration Testing (CPT) in offshore environments.





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Key data

Dimensions	2130 x 2130 x 925 mm (base 2000 x 2000 mm)
Mass	± 4000 kg
Wave form	Bi-directional shear (S) waves
Impact	Adjustable output between 100 - 1250 Joule
Hammer plate	Load controlled lowering of the hammer up to 500mm below the seabed
Hammer plate dimensions	640 x 550 mm
Recharge time	1-2 minutes
Depth rating	1500 m
Power input	Hydraulic PTO Manta-200
Power system (hammer)	Pneumatic (nitrogen)



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