

# ISOPOD Ocean Bottom Seismometer

Ocean Bottom Seismology at its fundamentality – this is ISOPOD. As small and lightweight as possibly can be built, no compromises are made in quality and reliability. Made from titanium and syntactic foam it can withstand 6000m water depth and is insensitive against bumps. Equipped with three 4.5Hz Geophones and the datalogger “6D6” it can continuously record more than three months.



ISOPOD is equipped with the external memory StiK™: once it is recovered, you simply remove the StiK™, apply a new one and the system can be re-deployed without opening the pressure case.



ISOPOD can be stacked, so transport of 10 units on a standard pallet is possible.

## Mechanical data

Size:	1200 x 400 x 365mm
Weight:	95 kg fully equipped
Frame:	titanium
Pressure tube:	titanium
Buoyancy:	syntactic foam

## Electronical Data

Data logger:	Ultra-Low-Power “6D6” 125 milliWatt @ continuous recording 4 channels @ 32 bit, up to 4000 sps, <b>optional up to 20.000 sps</b>
Geophones:	4.5Hz resonance frequency, XYZ-orientation
Hydrophone:	HTI-04, <b>optional DPG, optional APG</b>
Release:	mechanical-acoustic, <b>optional additional time release</b>
Relocation:	radio beacon, flash unit, flag, <b>optional Iridium, optional AIS</b>



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