Airguns Cluster Refraction Seismic (G-guns) [Marine Seismic Equipment]

Attention:

Airguns Cluster Refraction Seismic is part of the Marine Seismic Equipment.

Please note that operations with the Seismic Equipment can only be operated upon request. Request operations with the Seismic Equipoment to AWI Geophysics and AWI-Logistics in sufficient time prior to the cruise. The operations of the system require experienced scientific staff on board.

Summary

In the seismic refraction method, seismic waves are recorded that propagate along layer boundaries or as arcuate "diving waves" mainly sub-horizontally. The seismic signals, produced by controlled seismic sources, are recorded along lines of seismometers deployed on land or in the ocean (ocean-bottom seismometers). Although this method can also be used in engineering geology for near-surface investigations, we apply it to analyze deep crustal structures, the crust-mantle boundary and the uppermost mantle.

Manufacturer	Sercel
Model	G-Gun 8.32 l
Serial No.	PS
Type	seismic profile
REGISTRY-Link	REGISTRY (9214)

Contacts

Name	Institution	Role
Thorsten Eggers	Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research	Engineer In Charge
Alfred Wegener Institute for Polar and Marine Research	Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research	Owner
Karsten Gohl	Alfred Wegener Institute, Helmholtz Centre for Polar and Marine Research	Principal Investigator

Components

Documentation

- Sercel Airguns Brochure (Factsheet, 5 MB)