

INGV OBS/H: instrumentations which could be installed on board and their available quantities.

	Available Q.ty	
OBS Frame	7	Inox steel 316L, polyethylene, Delrin frame; dimension 1200x800x1500 mm; OBS weight with instrumentation onboard 450/36,5 Kg in air/water.
Seismic sensor gimbaled	10	Guralp CMG40T-OBS, 3C seismometer with a flat response between 60s and 100Hz, housed in a 16 cm of diameter spherical casing (6000m depth rated) and installed on a levelling platform with an operational tilt range of $\pm 90^\circ$
Pressure sensor	7	Cox-Webb Differential Pressure Gauge 500s-2 Hz; gain 1 mV/Pa at 1 Hz
Hydrophone	4	HTI-04-PCA/ULF Hydrophone 100s-8KHz; sensitivity: -195 dB re: 1V/ μ Pa (18V/bar)
Digitizer	7	SEND Geolon MLS 21 bits digitizer, 4 channels (3 for the seismometer and 1 for the hydrophone or DPG). Sampling rate up to 200 sps. Clock: Seascan Precision Time base. Time base drift <0.05 ppm. Storage Capacity: 12 PCMCIA slots, up to 24 GB with 2GB flash cards.
Battery Packs	-	2 Primary Lithium-Thionyl Chloride battery packs of 14,4 V and 350 Ah
Electronic canister	7	ERGAL canister (7075 T6 aluminium alloy), with hard anodizing.
Release system	7	IXSEA AR861S-MR and C980102 ORE-Offshore acoustic release system.
Emergency localization system	9	ELSACOM Guardian Sentinel, to transmit the OBS positions every 3 hours for more than one month, if it comes back on the sea surface.
Temperature logger	2	On OBS A7, a Tinytag ACS-0001-PK was installed. The deep water data logger kit contains a compact 16-bit data logger with a capacity of 16,000 readings, housed within a stainless steel canister designed to withstand depths up to 10km