BGS AIRGUN PROFILING SYSTEM

SPECIFICATIONS

Bolt 600B gun array (5 guns) each 40 cu. in. chamber with wave shape kit Geomechanique 30 m dual channel hydrophone on reel Compressor container(s) for constant firing of up to four guns BGS/CODA digital acquisition and processing system Waverley thermal recorder

OPERATIONAL REQUIREMENTS

The system is self-contained but requires 240VAC 50hz 13 Amp supply for recorders and trigger lines and 380/415 V, 3 ph, 50 hz, 60 A supply for the compressors. Over-the-side deployment of the hydrophone is by hand and it is normally flaked onto the deck prior to deployment. The airgun array is handled by a hiab or similar crane and towed by a separate wire tow with spring. Hoses, trigger lines and crane wire are left slack but secure during towing.

Laboratory space: minimum of 1m x 3m x 2m high is needed for electronic processing and recording equipment with additional drawer/cupboard space and box storage for spares and consumables.

Deck space for compressors: standard 20' container, 12 tonnes, non-standard 7 tonnes

Deck space for compressed air and trigger control panel: 1x 5 x 2 m high, 5 tonnes

Deck space for stowing and deploying airgun array plus hoses: 3 x 2 x 1 m high, 25 tonnes

Deck space for stowing and deploying hydrophone reel: 1.2 x 6 x 1.35 m high, 35 tonnes







Top left Airgun array.
Top right BGS/CODA digital acquisition and recording system.
Bottom left Airgun deck panel
Bottom right Hydrophone laid out for deployment.

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