Underwater battery canister

Battery pressure vessel for extended deployments

This battery canister, rated to 750dbar, is capable of extending deployments for all RBR instruments and any other devices requiring a nominal 12V supply. Four MCBH connectors are mounted on the top end-cap, and the battery pack design includes 56 D-cells, soldered with reverse- and short-circuit protection, in a single wrapped pack.

Features

- 56 D-cell capacity (1kWh nominal)
- Full diode and fuse protection
- Pressure relief valve in bottom end-cap
- Four MCBH connectors for distribution
- Freely available battery pack drawings
- Alkaline and lithium variants available

The RBR*fermata* prolongs the life of all deployments by providing 1kWh of power to any underwater instrument. For standard RBR instruments, this is approximately a 20x improvement to our extended battery carriage capacity. Drawings for the battery packs are available to aid local sourcing, particularly in the case of lithium packs (which further increase the autonomy).

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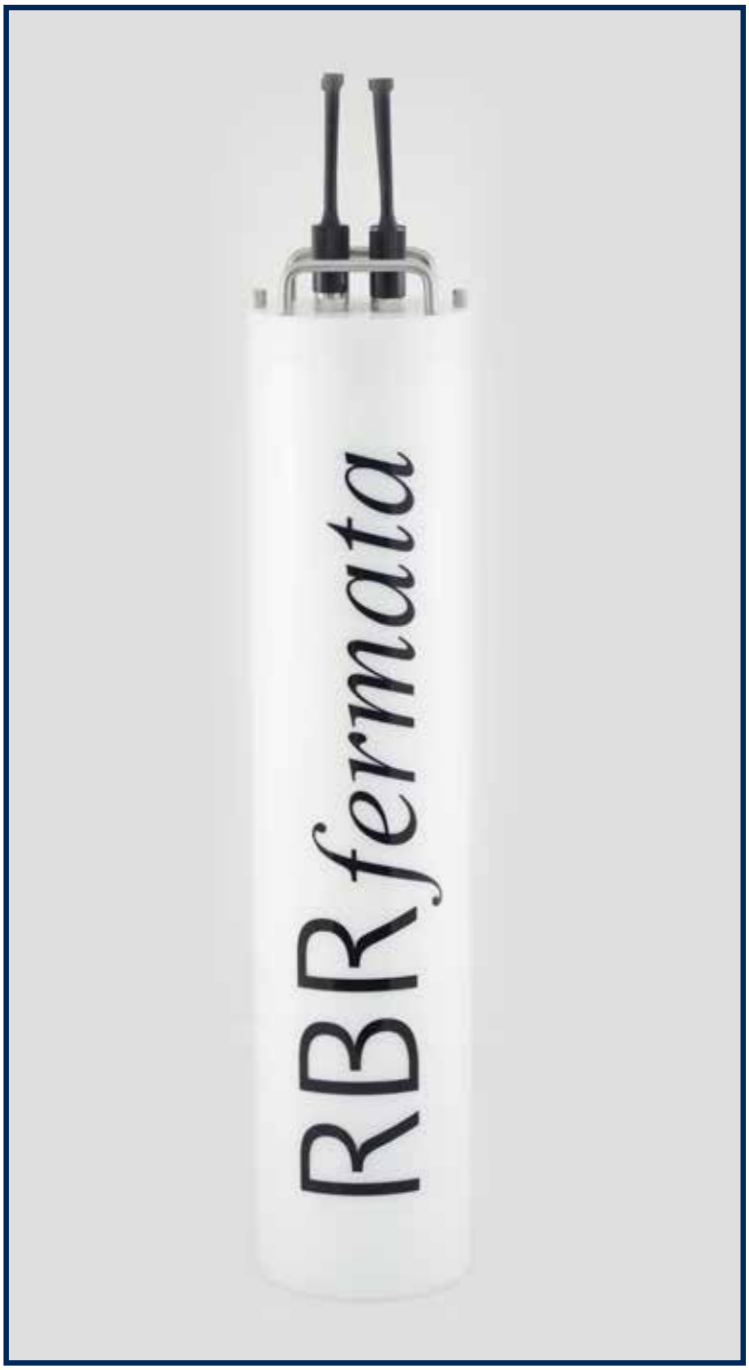
Specifications

Physical

Power:	56 Alkaline D-cells (arranged as 8 diode-isolated 12-V batteries)
Size:	658mm x 140mm diameter
Material:	POM with SS-316 hardware
Weight:	15kg (including alkaline pack)
Depth rating:	750m
Capacity:	1kWH (alkaline), temperature dependent.



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