

UNDERWATER BATTERY CANISTER



EXTENDED DEPLOYMENTS,
AUTOMATIC BATTERY CONFIGURATION

The RBR*fermata* battery canister extends deployments of all instruments. With a carousel that accommodates 48 D cells, the batteries are automatically interconnected to ensure equivalent output voltage, regardless of chemistry. Visual indicators confirm the consistency of all cells in the canister, and only once that is true is the output enabled to the 3x MCBH connectors mounted on the top cap.

FEATURES



Automatic
battery detection



Overcurrent
protection



Pressure
relief valve



Three MCBH
connectors



Quick-release
handles



Individual
D-cells

Available configurations

- ▶ Quick-release or low-profile handles
- ▶ 750m, 4000m, or 8000m depth rating

The RBR*fermata* extends deployments by providing up to 2.8kWh of energy to any underwater instrument, which is about 40x greater than our standard battery carriage capacity. An innovative battery carousel coupled with quick-release handles facilitates simple, tool-free cell replacement. Status indicator LEDs, for battery loading and voltage-matching detection, ensures correct preparation. Numerous safety features minimise surprises in the event of a battery failure or short circuit.

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Specifications

Physical

Power	48 D-cells
Connectors	Three MCBH-6-FS
Housing	Plastic or Ti
Length	663mm (quick-release) 686mm (low-profile)
Diameter	Ø140mm
Handles (quick-release)	250mm x 142mm
Weight (plastic, with batteries)*	Quick-release variant: ~14-17kg in air, ~3-5kg in water Low-profile variant: ~13-15kg in air, ~3-5kg in water
Weight (Ti, with batteries)*	Quick-release variant: ~27-30kg in air, ~16-18kg in water Low-profile variant: ~29-32kg in air, ~19-22kg in water
Depth rating	750m, 4000m, 8000m
Operating temperature	-5°C to 35°C
Storage temperature	-20°C to 60°C

* Dependent on battery type.

Electrical

Battery type	Lithium thionyl chloride	Nickel metal hydride	Alkaline
Nominal voltage	14.4V	14.4V	18.0V
Maximum current		5A per MCBH port	
Capacity	2.8kWh	0.5kWh	0.9kWh



External MCBH-6-FS connector



- ▶ Pin 1 - Ground
- ▶ Pin 2 - Power
- ▶ Pin 3 - N/C
- ▶ Pin 4 - N/C
- ▶ Pin 5 - N/C
- ▶ Pin 6 - N/C

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