

SMALL DEPTH RECORDER

20M READINGS
ON A SINGLE
AA BATTERY



The RBRsolo³ D is a compact, lightweight, and versatile single channel logger. The logger offers flexible measurement schedules, standard sampling up to 2Hz, and optionally up to 32Hz. It also features large memory, more power for extended deployments, and USB-C download for large data files.

FEATURES



Compact and
lightweight



Any AA
battery



Up to 32Hz
sampling



USB-C
download



Cabled RBRcoda³
variant available

The RBRsolo³ D recorder is available in the following configurations:

- ▶ RBRsolo³ D up to 2Hz continuous sampling
- ▶ RBRsolo³ D|fast16 up to 16Hz continuous sampling
- ▶ RBRsolo³ D|fast32 up to 32Hz continuous sampling
- ▶ RBRsolo³ D|tide16 up to 16Hz bursts with tidal averaging
- ▶ RBRsolo³ D|wave16 up to 16Hz bursts with wave analysis

The RBRsolo³ D makes it easy to configure the optimum sampling regime for your measurements whether the recorder is moored, towed, or profiling. The large data storage capacity and fast download ability facilitate long deployments with high sampling rates. A dedicated desiccant holder makes it simple to replace desiccant before each deployment. Dataset export to Matlab, Excel, OceanDataView[®], or text files makes post processing with your own algorithms effortless.

SMALL DEPTH RECORDER

COMPACT,
ACCURATE,
DEPENDABLE



Compact and lightweight



Any AA battery



Up to 32Hz sampling



USB-C download



Cabled RBRcoda³ variant available



General Information

Physical

Power:	Any AA cell
Communication:	USB-C
Clock drift:	±60 seconds/year
Depth rating:	up to 1,000m (RBRsolo D), or up to 10,000m
Diameter:	25.4mm
Length:	~210mm (RBRsolo ³ D deep)
Sample capacity:	20M readings
Housing:	OSP (RBRsolo ³ D) Titanium (RBRsolo ³ D deep)

Depth

Range (OSP):	20 / 50 / 200 / 500 / 1000m
Accuracy:	±0.05% full scale (FS)
Resolution:	<0.001% FS
Time constant:	<10ms
Typical stability:	0.05% FS

Sampling rates and Autonomy

RBRsolo³ D

Sampling rate:	24hr to 1s, and 2Hz		
Autonomy:	Rate	Duration	# samples
	5s	4.9 years	30M
	2Hz	62 days	10M

RBRsolo³ D|fast16

Sampling rate:	24hr to 1s, and 2Hz, 4, 8, and 16Hz		
Autonomy:	Rate	Duration	# samples
	16Hz	44 days	60M

RBRsolo³ D|fast32

Sampling rate:	24hr to 1s, and 2Hz, 4, 8, 16, and 32Hz		
Autonomy:	Rate	Duration	# samples
	32Hz	24 days	60M

|tide16

Sampling rate:	24hr to 1s, and 2, 4, 8, or 16Hz
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|wave16

Sampling rate:	24hr to 1s, and 2, 4, 8, or 16Hz
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