RBR

MEASURE THE BLUE PLANET

rbr-global.com

SMALL TEMPERATURE LOGGER

COMPACT, ACCURATE, DEPENDABLE

The RBR*solo*³ T is a compact, lightweight, and versatile single-channel instrument with a thermistor-type temperature sensor. It offers high performance, flexible measurement schedules, and long deployments. Low power consumption, large memory, and ability to endure harsh conditions make the RBR*solo*³ T a perfect choice for many oceanographic applications.

FEATURES

- Long deployments
- Compact and lightweight
- Any AA battery
- Up to 32Hz sampling
- USB-C download
- Cabled RBR*coda*³ variant available

The following configurations are available:

RBR*solo*³ T	temperature, up to 2Hz continuous sampling, depths up to 1700m
RBR*solo*³ T|fast16	temperature, up to 16Hz continuous sampling, depths up to 1700m
RBR*solo*³ T|fast32	temperature, up to 32Hz continuous sampling, depths up to 1700m

Deep variant:

RBR*solo*³ T|deep	temperature, depths up to 10000m

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The RBR*solo*³ T facilitates optimal measurement schedules, whether moored, towed, or profiling. Large storage capacity and reliable battery power facilitate long deployments with higher sampling rates. Downloads are quick with USB-C. A dedicated holder makes it simple to replace desiccant before each deployment. The calibration coefficients are stored with the instrument, and only one software tool, Ruskin, is required to operate it. Datasets can be read directly in Matlab, or exported to Excel, OceanDataView®, or text files.

Specifications

Physical

Storage	~130 million samples
Power	Any AA cell
Communication	USB-C
Clock drift	±60 seconds per year
Depth rating	up to 1700m (plastic) up to 10000m (Ti)
Diameter	~25mm
Length	~240mm
Weight	120g in air, 20g in water (plastic) 320g in air, 220g in water (Ti)

Temperature

Range*	-5°C to 35°C
Initial accuracy	±0.002°C
Resolution	<0.00005°C
Typical stability	±0.002°C / year
Time constant	<0.1s |fast, <1s standard, <15s |slow

* A wider temperature range is available upon request. Contact RBR for more information.

Deployment estimates

RBR*solo*³ T

Sampling rates	24hr to 1s, and 2Hz		
Autonomy	Speed	Time	# samples
	2Hz	150 days	25M

RBR*solo*³ T|fast16

Sampling rates	24hr to 1s, and 2Hz, 4Hz, 8Hz, or 16Hz		
Autonomy	Speed	Time	# samples
	16Hz	100 days	60M

RBR*solo*³ T|fast32

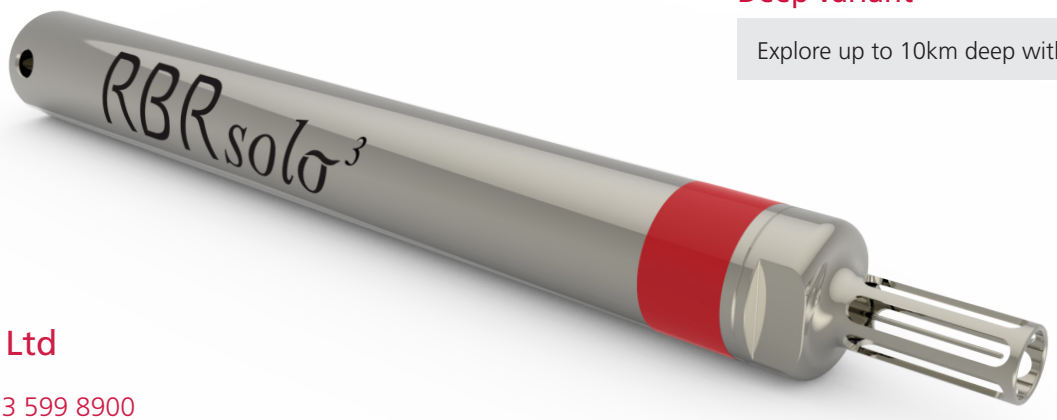
Sampling rates	24hr to 1s, and 2Hz, 4Hz, 8Hz, 16Hz, 24Hz, or 32Hz		
Autonomy	Speed	Time	# samples
	32Hz	50 days	130M

Realtime variants

Cabled realtime variants are available as the RBR*coda*³ T.

Deep variant

Explore up to 10km deep with RBR*solo*³ T|deep.



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