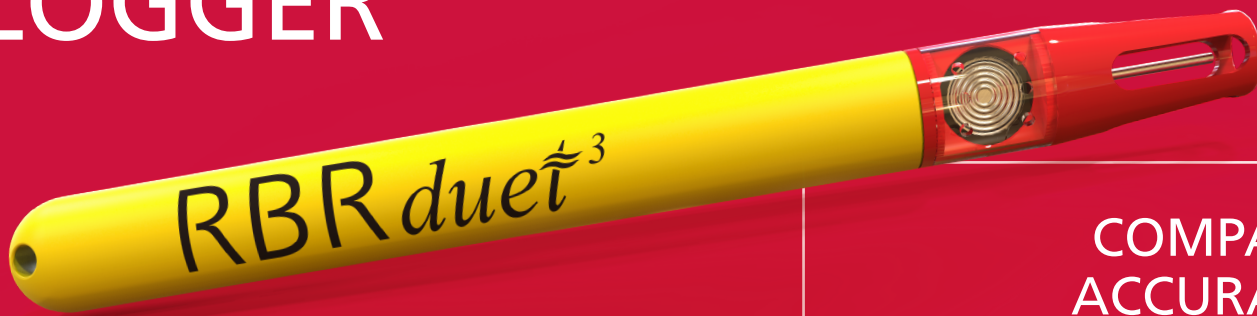


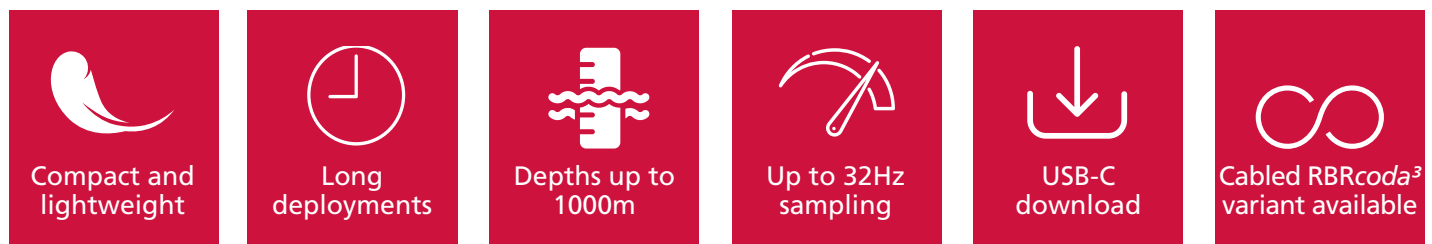
## SMALL TWO-CHANNEL LOGGER



COMPACT,  
ACCURATE,  
DEPENDABLE

The RBRduet<sup>3</sup> T.D is a compact, lightweight, and versatile dual-channel instrument. It provides accurate temperature and pressure measurements during long deployments. Low power consumption, large memory, and ability to endure harsh conditions make it a perfect instrument for many oceanographic applications, including tide levels and wave characteristics.

### FEATURES



The following configurations are available:

- ▶ RBRduet<sup>3</sup> T.D temperature and pressure; up to 2Hz continuous sampling
- ▶ RBRduet<sup>3</sup> T.D|fast temperature and pressure; up to 8Hz, 16Hz, or 32Hz continuous sampling
- ▶ RBRduet<sup>3</sup> T.D|tide16 temperature and pressure; continuous sampling or tidal averaging
- ▶ RBRduet<sup>3</sup> T.D|wave16 temperature and pressure; continuous sampling, tidal averaging, or wave burst

The RBRduet<sup>3</sup> T.D facilitates optimal measurement schedules, whether moored, towed, or profiling. Large storage capacity and reliable battery power facilitate long self-contained 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<sup>®</sup>, or text files.

## SMALL TWO-CHANNEL LOGGER

### COMPACT, ACCURATE, DEPENDABLE

#### Specifications

##### Physical

Storage	~45 million samples*
Power	Any AA battery
Communication	USB-C
Clock drift	±60 seconds per year
Diameter	25mm
Length	266mm
Weight	150g in air, 30g in water

\*A sample may include multiple readings.

##### 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

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

##### Pressure

Range	20 / 50 / 100 / 200 / 500 / 1000dbar*
Accuracy	±0.05% full scale
Resolution	<0.001% full scale
Typical stability	±0.05% full scale / year
Time constant	<10ms

\*Recommended depth for wave measurements is less than 50m.

##### Deployment estimates

###### RBRduet<sup>3</sup> T.D

Sampling rates	24hr to 1s, and 2Hz		
Autonomy	Speed	Time	# samples
	5s	711 days	12 million
	2Hz	53 days	9 million

###### RBRduet<sup>3</sup> T.D|fast16

Sampling rates	24hr to 1s, and 2Hz, 4Hz, 8Hz, 16Hz		
Autonomy	Speed	Time	# samples
	16Hz	32 days	44 million

###### RBRduet<sup>3</sup> T.D|fast32

Sampling rates	24hr to 1s, and 2Hz, 4Hz, 8Hz, 16Hz, 24Hz, or 32Hz		
Autonomy	Speed	Time	# samples
	32Hz	16 days	44 million

##### Realtime variants

Cabled realtime variants are available as the RBRcoda<sup>3</sup> T.D.

##### Deep variant

Explore up to 10km deep with the RBRduet<sup>3</sup> T.D|deep.



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