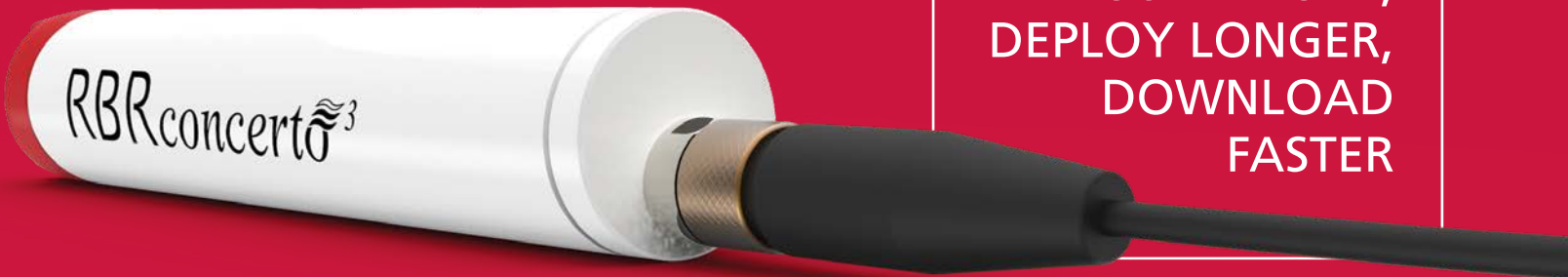


# THERMISTOR STRINGS

MEASURE MORE,  
DEPLOY LONGER,  
DOWNLOAD  
FASTER



The RBRconcerto<sup>3</sup> multi-channel logger supports thermistor strings, offers flexible measurement schedules, sampling intervals as short as 3s, large memory and averaging. It also features ample power for extended deployments and USB-C download for large data sets. The RBRconcerto<sup>3</sup> T24 has a 24 node capacity that can be configured to meet your measurement needs.

## FEATURES



240M  
readings



Up to 24  
thermistors



Long  
deployments



USB-C  
download



Up to 400m  
in length

The RBRconcerto<sup>3</sup> T12 and T24 are designed to operate with arrays of thermistors. The RBRconcerto<sup>3</sup> can include up to two twelve-channel modules, and any combination of thermistors (up to 24) can be readily made. Other sensor channels may be added to the RBRconcerto<sup>3</sup> T12 and RBRconcerto<sup>3</sup> T24. The thermistor arrays are made to order, and may be up to 400m in length. Designed for marine or freshwater applications; underground, in concrete, in permafrost or in ice. The thermistor array may be used at depths up to 4000m. The thermistor strings are calibrated to  $\pm 0.005^{\circ}\text{C}$  against ITS-90 primary standards.

RBRconcerto<sup>3</sup> loggers make it easy to configure the optimum sampling regime for your measurements. The large data storage capacity and fast download ability facilitate long deployments with higher sampling rates. The RBRconcerto<sup>3</sup> is also available in an extended body for more battery power or to support additional sensor configurations. For deep water applications the RBRconcerto<sup>3</sup> is available in a titanium housing. Almost any sensor from RBR can be interfaced to the RBRconcerto<sup>3</sup>. Dataset export to Matlab, Excel, OceanDataView®, or text files makes post processing with your own algorithms effortless.

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240M readings



Up to 24 thermistors



Long deployments



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USB-C download



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## Specifications

### Physical

Power:	8 AA cells
Communication:	USB-C or RS-232/485
Storage:	240M readings
Clock drift:	±60 seconds per year
Depth rating:	750m (POM) 6000m (Titanium)
Size:	~260mm x Ø63.3mm/60.3mm (Ti)
Weight:	Configuration dependent
Sampling period:	3s to 24h
Averaging:	3s to 24h

### Temperature

Range:	-5°C to 35°C
Initial accuracy:	±0.005°C
Resolution:	<0.00005°C
Time constant:	~30s
Typical stability:	~0.002°C per year