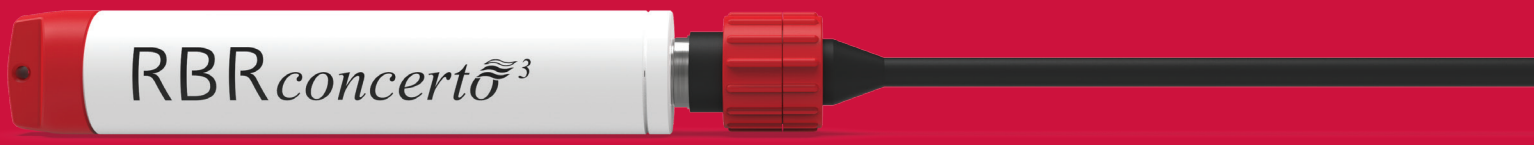
RBR
MEASURE THE BLUE PLANET

rbr-global.com

RBR*concerto*³ Tx

THERMISTOR STRINGS

COORDINATED TEMPERATURE PROFILES, LOGGED OR REALTIME



The RBR*concerto*³ Tx is a multi-node thermistor string offering flexible measurement schedules, sampling intervals as short as 3s, large memory, and optional realtime output. It also features ample power for extended deployments and USB-C download for large data sets. The RBR*concerto*³ Tx can be configured with 12 or 24 temperature nodes spaced to meet your custom measurement requirement over a maximum length of 400m.

FEATURES

- 240M readings
- 12 or 24 thermistors
- Long deployments
- USB-C download
- Up to 400m in length

The RBR*concerto*³ Tx is designed to control and log an array of thermistor nodes on a long cable. The thermistor strings are made to order and may be up to 400m in length. The robust construction is designed for marine or freshwater applications, underground, or in concrete, permafrost, or ice. The thermistor strings may be used to a depth of 8000m and are calibrated to ±0.005°C against ITS-90 primary standards. The RBR*concerto*³ Tx is easy to configure for the optimum sampling regime for your measurements. The large data storage capacity and fast download ability facilitate long deployments with higher sampling rates. For deep water applications the RBR*concerto*³ Tx is available in a titanium housing. Dataset export to Matlab, Excel, OceanDataView®, or text files makes post processing with your own algorithms effortless.

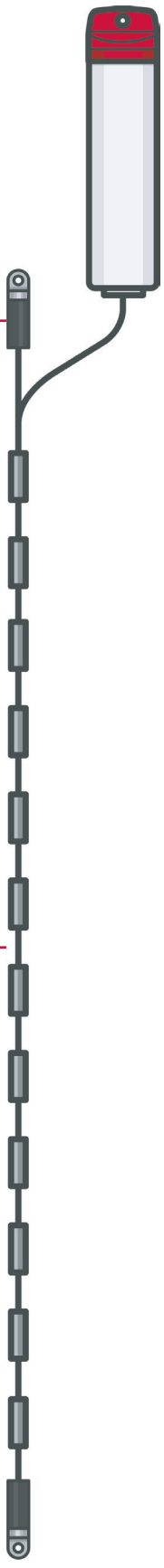
RBR

MEASURE THE BLUE PLANET

rbr-global.com

RBR*concerto*³ Tx

COORDINATED TEMPERATURE PROFILES, LOGGED OR REALTIME



MEASURE MORE, DEPLOY LONGER, DOWNLOAD FASTER

- 240M readings
- 12 or 24 thermistors
- Long deployments
- Up to 400m in length
- USB-C download

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 (plastic) 8000m (titanium)
Size:	~355mm 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

Configuration

Nodes:	12 or 24 node configuration
Length:	400m maximum
Load:	250kg maximum
Clevis pin:	12.7mm
Node diameter:	22mm
Cable diameter:	11.6mm
Node spacing:	150mm C-C minimum

RBR Ltd

95 Hines Road
Ottawa, Ontario
Canada K2K 2M5

+1 613 599 8900
info@rbr-global.com
rbr-global.com