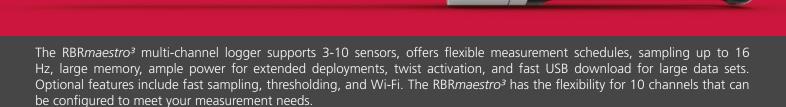


RBRmaestro3

MEASURE MORE, DEPLOY LONGER, DOWNLOAD FASTER

MULTI-CHANNEL LOGGER (3-10)

RBR maestr 83



FEATURES













The RBRmaestro³ can be equipped with any 10 channel combinations. Examples:

▶ RBR*maestro*³ C.T.D+ moored instrument; measures conductivity, temperature, depth and up to 7 additional parameters

▶ RBRmaestro³ C.T.D+|fast8 8Hz profiling instrument; as above with fast sensor response

▶ RBR*maestro*³ C.T.D+|fast16 16Hz profiling instrument; as above with fast sensor response

Custom configurations can include up to 10 of the following options:

- Temperature
- Depth
- Conductivity
- ▶ pCO,

- Tide
- Wave
- ► Dissolved O₃
- ▶ pCH₄

- ► Turbidity
- ► Fluorescence
- Transmission
- Nitrate

- ► pH
- ORP (RedOx)
- PAR
- Irradiance





MULTI-CHANNEL LOGGER

MEASURE MORE, DEPLOY LONGER, DOWNLOAD FASTER

RBR*maestro*³ 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 RBR*maestro*³ has more battery power for extended deployments and supports additional sensor configurations. Almost any sensor from RBR can be interfaced to the RBR*maestro*³. Dataset export to Matlab, Excel, OceanDataView[®], or text files makes post processing with your own algorithms effortless.

Specifications

Physical

Storage: 240M readings Power: 8 AA cells

Communication: USB-C or RS-232/485
Clock drift: ±60 seconds/year
Up to 10,000m sensor dependent

Housing: Plastic or titanium
Size: Configuration dependent

Weight: Configuration dependent
Sampling period: 1s to 24h (moored)
Fast option: | fast8 — 1, 2, 4, 8Hz | | fast16 — 1, 2, 4, 8, 16Hz

Conductivity (up to 6000m)

Range: 0-85mS/cm
Initial accuracy: ±0.003 mS/cm
Resolution: 0.001 mS/cm
Typical stability: 0.010 mS/cm per year

Temperature

Range: -5° C to 35° C Initial accuracy: $\pm 0.002^{\circ}$ Resolution: 0.00005° C

Time constant: ~1s (standard), ~0.1s (option)

Typical stability: 0.002°C per year

RBR Ltd

95 Hines Road Ottawa, Ontario Canada K2K 2M5

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

Depth

Range: 20 / 50 / 100 / 200 / 500 / 750

1000 / 2000 / 4000 / 6000 / 10,000m (dbar) ±0.05% FS (full scale)

Initial accuracy: ±0.05% FS
Resolution: 0.001% FS
Time constant: <0.01s

Typical stability: 0.05% FS per year

Options

- ▶ Wi-Fi communication
- ▶ |fast8, |fast16 or |fast32Hz sampling for profiling
- ► External data and power connector with USB, RS-232, or RS-485

