

HYDROTIDE DATA LOGGER (TGR-1050HT/TWR-2050HT) HANDLING AND OPERATING PRECAUTIONS

- 1. Read the User Manual.** The Hydrotide Data Logger is a precision instrument which requires care when handling and operating. Be sure to read the Ruskin User Manual prior to setting up and deploying or troubleshooting your logger. . You can find it on the RBR(Ruskin) software CD shipped with your instrument or download it from <http://www.rbr-global.com/support/documentation>.
- 2. Heed the maximum pressure rating.** All loggers with pressure sensors are individually rated to a maximum depth/pressure. You will find this on the label of the sensor cable. Exceeding the rated depth/pressure for the instrument can destroy the sensor(s). This will void the manufacturer's warranty.
- 3. Mounting the logger and the pressure transducer.** The Hydrotide Data Logger needs to be mounted so that the electronics enclosure is protected from the weather. Prevent any accidental damage of the cable to the transducer by careful routing. Fix the pressure transducer at a known depth and protect it from accidental damage. **It is important that the pressure transducer be used only with the logger calibrated with it.** You can find the serial number of the matching logger on both the label of the sensor cable and the sensor calibration sheet.
- 4. Use desiccant when necessary.** The pressure sensor is vented to atmosphere by the use of a vent tube. Moisture in the vent tube could affect the readings from the pressure transducer. Take care to ensure that no moisture enters the vent tube during installation. If moisture does enter the tube, then condensation may occur and the pressure will have a fixed offset. The sensor connector is supplied with a desiccant pack sealed to the connector. When ready for installation, quickly remove this pack and connect the cable to the electronics. The hydrotide data logger also has desiccant cartridges installed inside the logger box. These DriCap[®] desiccant cartridges have indicating silica gel, which turns from blue to pink, warning when adsorption capacity has been reached and cartridges should be replaced.

Please contact us if you have any questions. We are committed to helping you obtain the precision results you require and expect from our instruments.