



# OSSI-010-003B Wave Gauge Quick Start Guide

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This guide will assist the user to obtain data from the Wave Gauge in the quickest time possible. The user is advised to read the manual in its entirety before actual deployment of the instrument.

After unpacking the unit, check to see that there is a battery pack with a connector, a DB9 serial communication cable, a Wave Gauge and compact flash card. If the compact flash card is user supplied, the Wave Gauge will only accept 64 to 2000Meg size cards.

The top of the Wave Gauge housing (the part with the label) unscrews from the bottom. Do not screw them together too tightly or it will become difficult to reopen!

If the flash card is not yet installed, the flash card inserts with the card label facing down as indicated by the writing on the top of the electronics in the bottom half of the case. The battery may now be plugged into the top of the electronics. The LED will now signal the following:

**\* \* LED SIGNAL STATUS \* \* \***

1. ON FOR 3 SECONDS = CARD INSERTED OK /COLLECTING DATA
2. CONTINUOUS 1 SEC. ON & 1 SEC. OFF = OK  
TO REMOVE CARD. STOPS AFTER CARD REMOVED
3. FAST BLINKING = CARD REMOVED BEFORE CLOSING  
FILE OR BAD CARD FORMAT.

If the LED signal for 3 seconds the unit will begin to collect data normally. If the red LED flashes rapidly several times consecutively, the initialization has failed and the battery should be unplugged and reinserted.

To view the data, push the small white recessed button on the top of the electronics in the bottom half of the case. The red LED will begin to blink at a one second interval to indicate that you may now remove the flash card. Insert the flash card into a PC based flash card reader (user supplied). The files may be imported into Word Pad, Exel, Matlab or other text or analysis program.

To assemble the unit for deployment, a light coating of silicon o-ring grease should be applied to the o-rings and sealing surfaces. The battery is set into the recess in the bottom half of the unit. The battery plug aligns with the notch in the heat shrink over the batteries. The cover or top half of the Wave Gauge may now be screwed all the way

down over the bottom half. Do not screw the halves together too tightly as it will become difficult to separate them.

**A very important note about the Wave Gauge:**

Note 1: Remember to tell anyone using it that they **MUST NOT GET ANY SALTWATER or SWEAT INSIDE THE UNIT AS THIS WILL CORRODE THE CIRCUITRY!** It must be thoroughly dried before it's opened. Then lay the unit down on its side. Open the unit very carefully, if there is any water around the O Ring it will not fall into the unit and can be further dried. Hands must be totally dry when opening and handling the unit.

Note 2: **START DATE/TIME** Setting must be set one minute before desired start time. Example: If desired start time is 1600 hours set the start time to 1559 hours.

Note 3: When connected to a Wave Gauge or Wave Logger with OSSI Interface Software, be sure to exit with the QUIT Button. This will return the unit back to its normal RUN mode. The battery power may also be turned off for a few seconds to return the unit back to the RUN mode.

Note 4: If enabled "The New file Interval In Days" will use the last minute of the day to close that days file and open a new file for the next Day. The Wave Gauge will stop recording data at 2359 hours and then start recording data again the next day at 0000 hours in the new file.