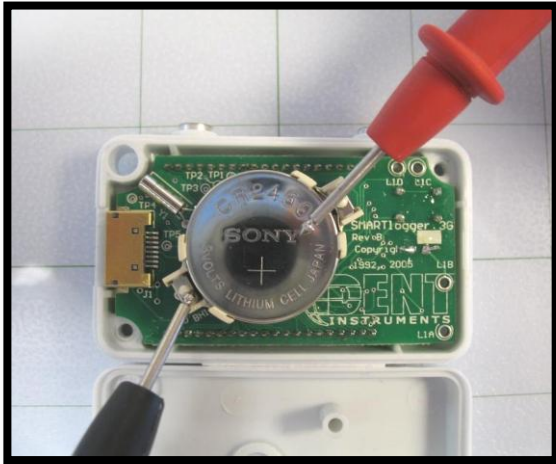
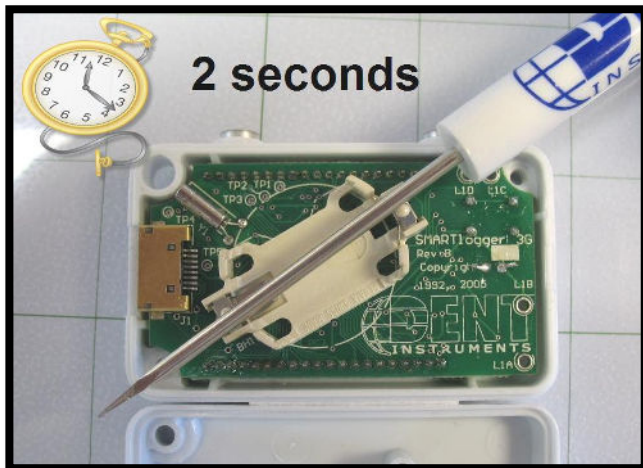


# SMARTLOGGER™ TOU INSTRUMENT BATTERY REPLACEMENT PROCEDURES



**Figure 1.** Test battery voltage with a multimeter.



**Figure 2.** Short across the battery holder for two seconds.

1. The battery in a SMARTlogger should have a life of 5+ years, but it is recommended that the battery is replaced 5 years after purchasing the unit.
2. If you wish to check the battery voltage, remove the case back by removing the two screws.
3. Using a multimeter, read the battery's voltage while it is under load (mounted in the holder). (See Figure 1.)
4. If the voltage is 2.8 VDC or less, the battery should be replaced.
5. To replace the battery, carefully remove it from the holder. Then, using a small screw driver, short across the battery holder terminals for at least 2 seconds to remove any residual charge. (See Figure 2.)
6. Insert the new battery and confirm it is 3.0 VDC or greater using a multimeter.
7. Reassemble the case and reset your TOU logger by pressing the RESET button for two seconds. You will see "rESeT" on the display.
8. Connect the TOU logger to your PC using the DENT USB Communication Cable and use SMARTware software to synchronize the time to your PC.
9. Reset the logger again and verify the internal time and date are correct.
10. If the display does not appear to be correct, or if you are unable to communicate with your TOU logger, repeat steps 5-9.
11. If you are still unable to communicate with the TOU logger, please contact DENT Technical Support for further assistance.

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