

# Technical Bulletin

03-TB-900 06/2000

## OdaLog Type I, Firmware Update Ver 2.4

---

### Firmware Ver 2.4

Version 2.4 of the OdaLog internal software has recently been released and will be incorporated into all OdaLog Type I instruments supplied from the beginning of June 2000.

This update has been instigated by a problem that has been highlighted in the current firmware Ver 2.2 or 2.3 that can cause the logged data to be lost when the batteries expire before the logging session is stopped. This problem was due to the incorrect handling of the date/time stamp, which is used to indicate the end of a logging session.

In the previous firmware Ver 2.2 or 2.3, all data in the current logging session can be lost if the instrument's batteries expire before the logging session is STOPPED. Any previously logged data sessions that are still in the instrument will remain intact.

Firmware Version 2.4 will now handle the date/time stamp correctly when batteries expire during an active logging session. When the instrument is switched on, Battery expiry is handled in the following manner. At 3.6 Volts the Battery Warning symbol will appear in the top left corner of the display. Then at 3.4 Volts the OdaLog will stop the active logging session and switch the instrument off displaying the word "FLAT" continuously on the display with the Battery Warning symbol still displayed top left.

### Other new features:

Ver 2.4 firmware has two additional features added.

#### 1. Key Lock.

When this feature is enabled, the user is able to lock the display and top button while in logging mode. This feature works as follows:

- The Key Lock option requires enabling from the factory or nearest service centre.
- To Lock the OdaLog instrument.

Once a logging session is started, the user can then select from the menu the option called "LOC". With "LOC" displayed you then swipe the magnetic base of Allen tool provided past the right-hand side of the LCD display over the word "SPAN". The LCD will briefly display "donE" followed by "LOGGING". The top button is now locked and if pressed will only activate the backlight.

- To Un-Lock the OdaLog instrument.

Place the magnetic base of Allen tool provided on the left-hand side of the LCD display directly over the letter N in the word "NULL". Press the top button and you will hear a beep from the instrument and the display will return to "INST" reading. The instrument is now unlocked.

#### 2. Days Since Last Calibration.

This feature has been added to display the amount of days since the instrument was last calibrated and is displayed at switch on after the firmware version has been indicated.