MicroLog SDI-MP

Battery replacement

EMS Brno, March 2022

Necessary tools and accessories:

Gloves

or

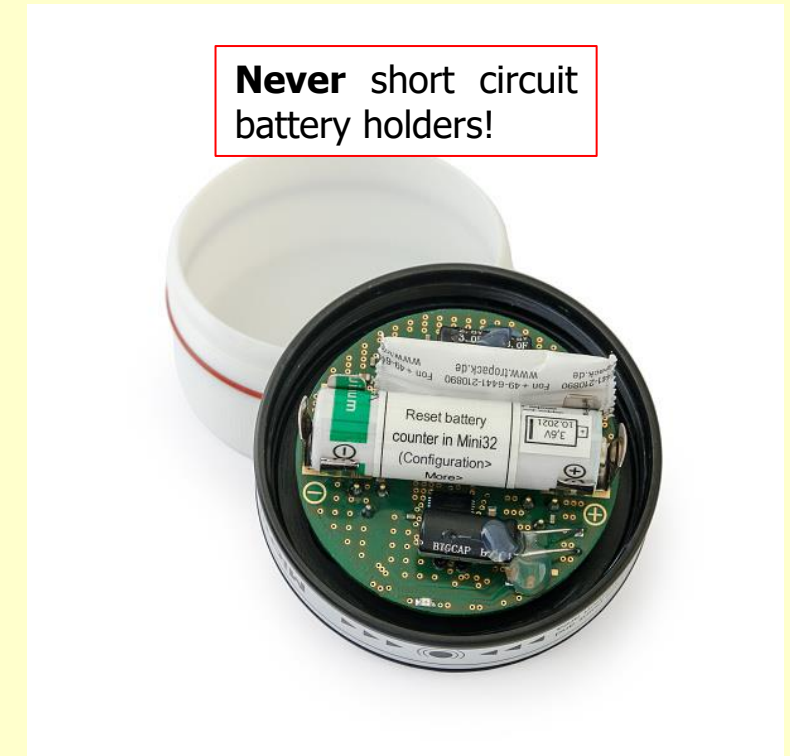MicroLog
opener

PC and
IrDA/USB cable

Desiccant bag

Battery
SAFT LS 14500

Datalogger opening

Screw out the datalogger lid by MicroLog opener or by hand (use non-slip gloves for better grip).

Never short circuit battery holders!

Battery replacement

- Remove the old battery from the battery holder. Don't forget to recycle it.

- Insert new battery back to the holder. Consider polarity!

- It is good idea to write down the time stamp of battery replacement (if not from the manufacturer).
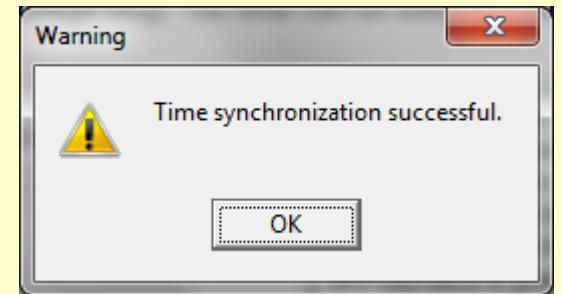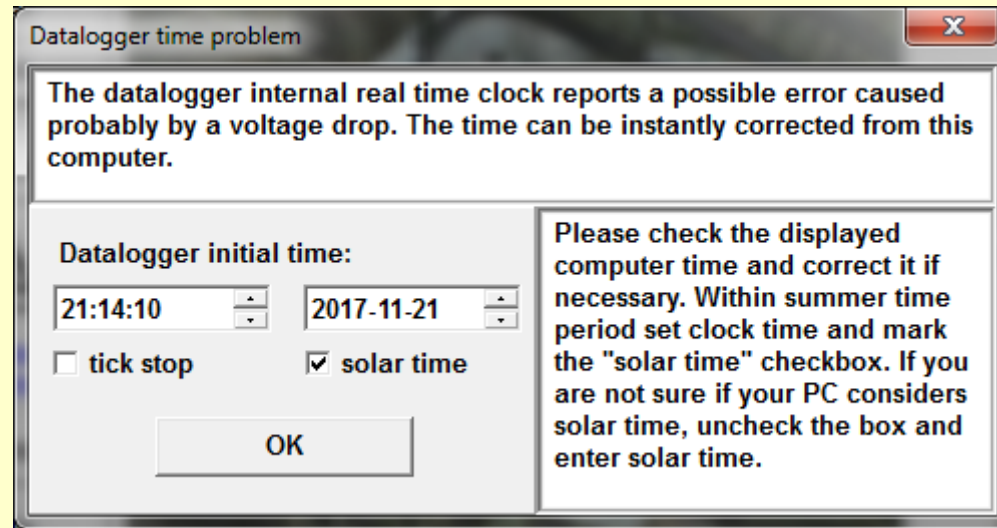
- Insert new desiccant bag.

Datalogger closure

Screw up the datalogger lid by hands (do not use opener!). Make sure that both lid thread and seal are clean or clean them by brush.
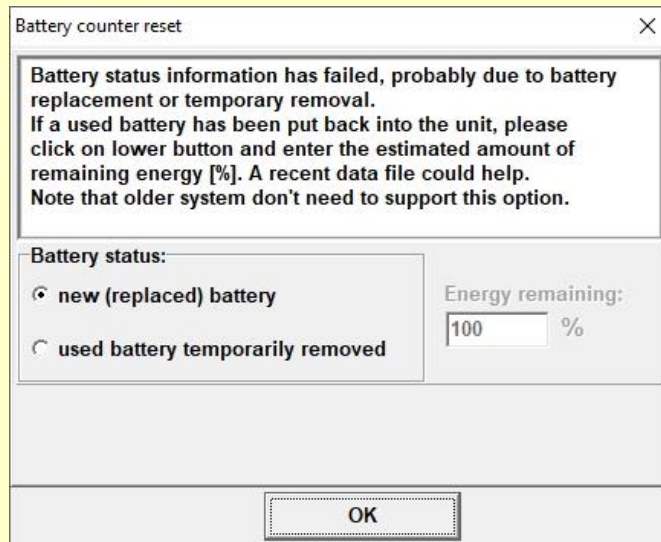
Datalogger set up

Run Mini32, connect the datalogger by IrDA/USB cable and go to Configuration. You will pass datalogger time synchronization:

Datalogger time problem

The datalogger internal real time clock reports a possible error caused probably by a voltage drop. The time can be instantly corrected from this computer.

Datalogger initial time:

21:14:10   2017-11-21

☐ tick stop   ☑ solar time

Please check the displayed computer time and correct it if necessary. Within summer time period set clock time and mark the "solar time" checkbox. If you are not sure if your PC considers solar time, uncheck the box and enter solar time.

OK

Warning

⚠ Time synchronization successful.

OK

Battery counter

The system needs to reset battery counter after power drop-out:

- Choose the battery status of battery

- If inserted battery is used and only temporarily removed, choose this option and set estimated remaining energy (%)

If the battery counter reset has not been called automatically after time synchronization, do it through Mini32: Configuration > More > Batt. reset

Note: due to the different number and types of SDI-12 sensors possibly connected, it is unfortunately not possible to display the power consumption and remaining battery life

Final check

Go back to Mini32 main screen and press "On-line" button. Check the actual values and all status information. You can also download the data to make sure that nothing happened with memory structure.

Good luck!