MicroLog SP3, T3 and TC3

## Battery replacement

Notice:

Please note that there are two versions with different battery terminals:

- MicroLog with screw terminals

- MicroLog with screwless terminals - Wago (serial number of MicroLog SP3 and T3 starts with "B")

Both versions use SAFT LS14250CNA battery, single cell, 3.6 V, 1/2AA, Lithium Thionyl Chloride, 900 mAh with axial wires.

The main difference between those models is in the wire adjustment of batteries – see pictures.

When asking manufacturer for new batteries, please specify the version (incl. prefix of serial number) and we will adjust battery terminals accordingly.
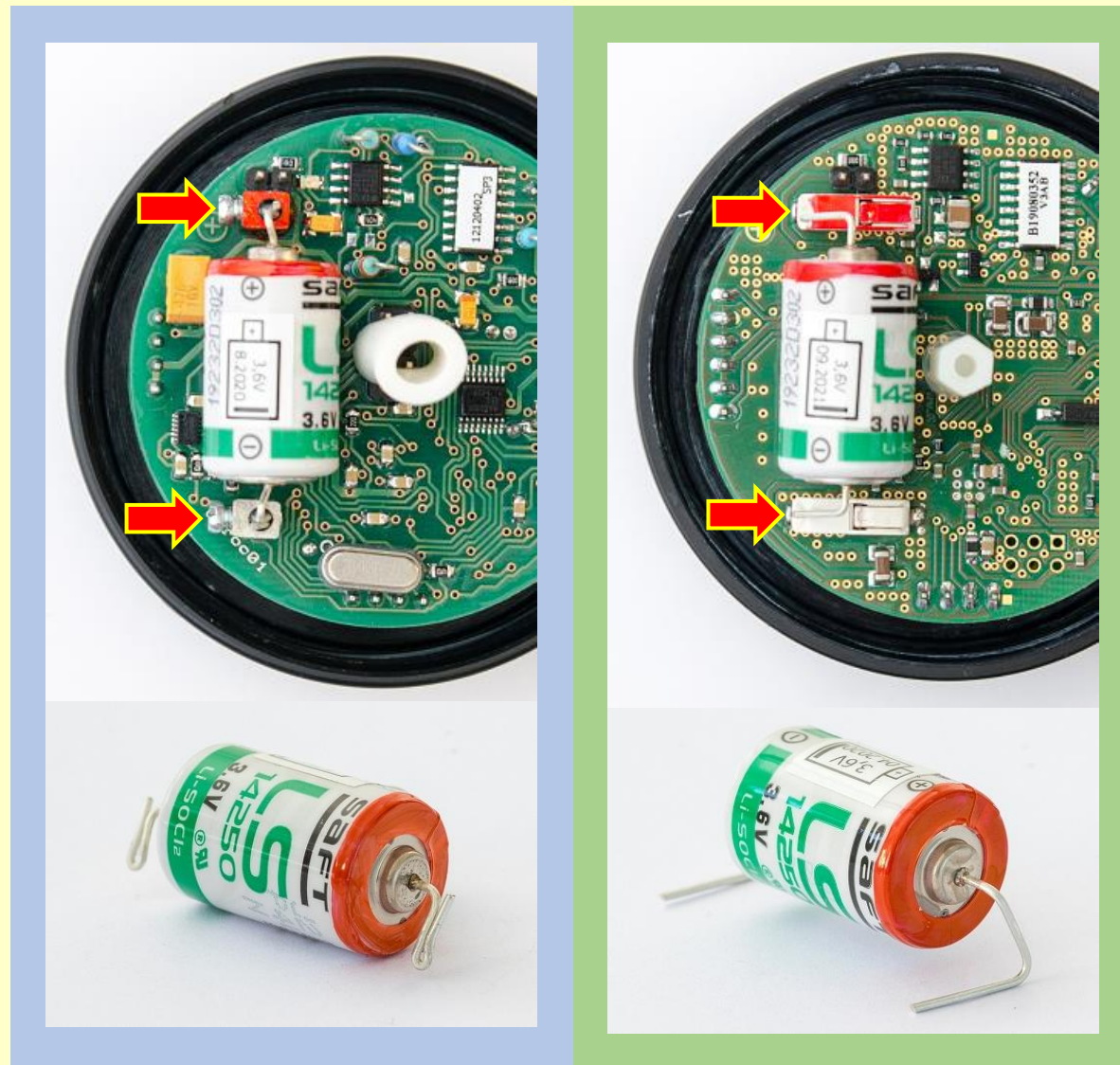
Necessary tools and accessories:

Gloves

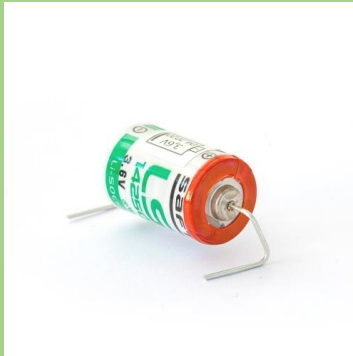or

MicroLog
opener

PC and
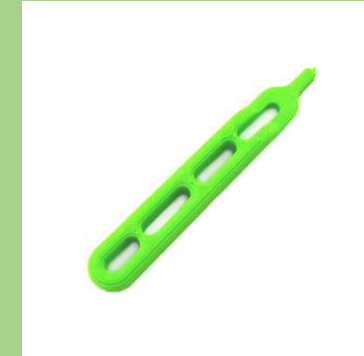IrDA/USB cable

Desiccant bag

Battery for screw
terminals

Flat screwdriver
2.5 mm

Battery for screwless
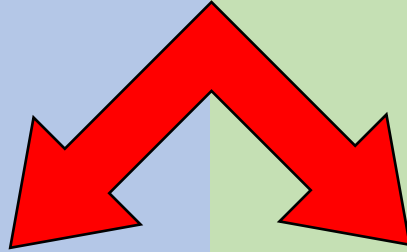terminals (Wago)

Squeezing
stick

For alternate parts of manual, due to terminal type, follow background colour

Datalogger opening

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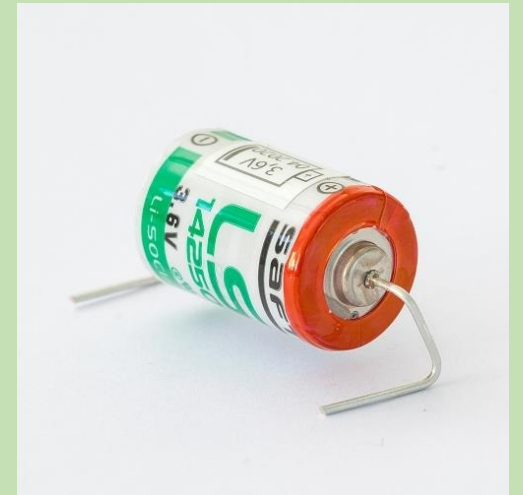
Battery replacement procedure
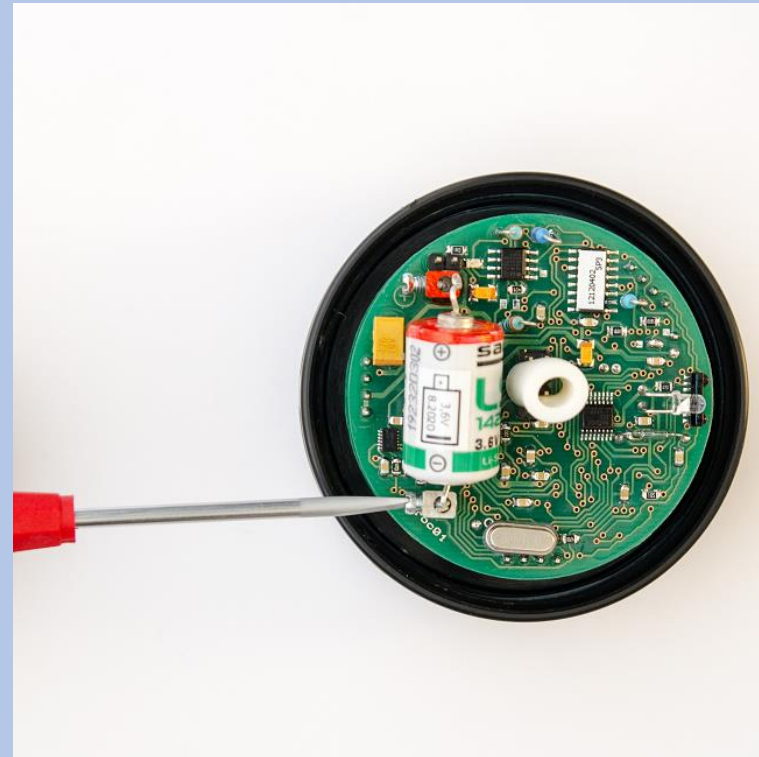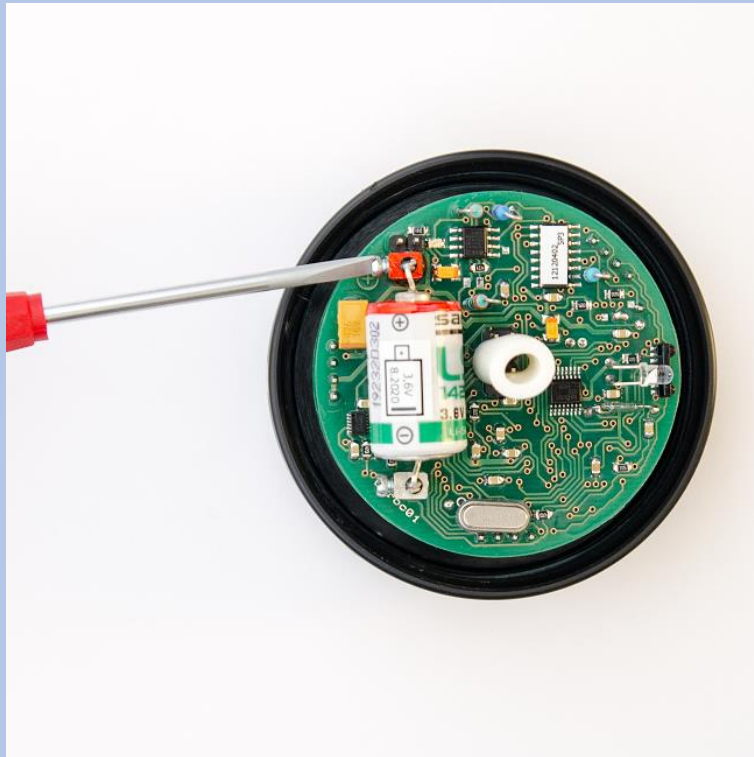

SCREW TERMINALS

SCREWLESS TERMINALS

For alternate parts of manual, due to terminal type, follow background colour

SCREW TERMINALS - Battery removal

- Remember the battery polarity.

- Screw out the positive battery terminal and lift the battery wire.

- Screw out the negative terminal and remove the battery.

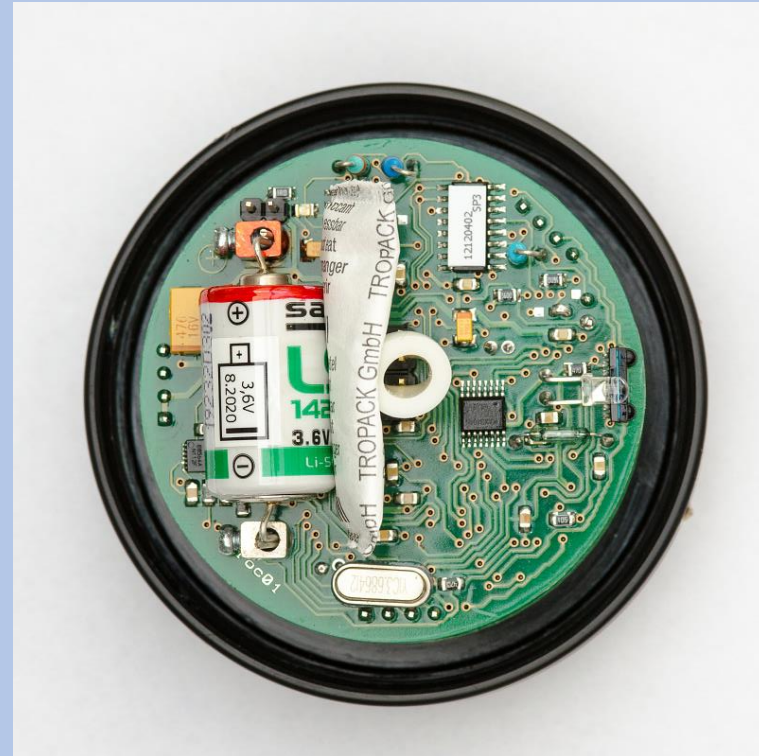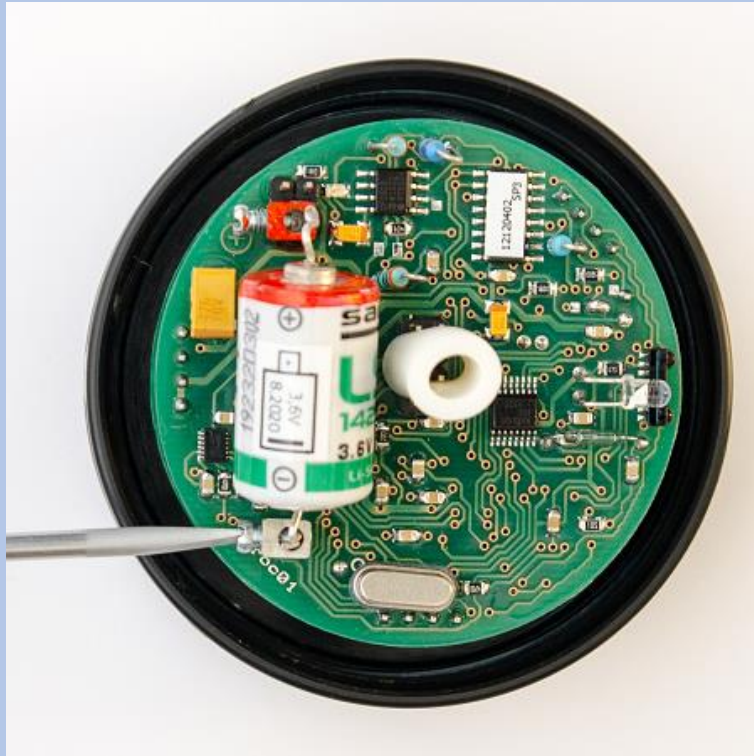- Don't forget to recycle the battery.

Important!

Short circuit thoroughly (better twice) for a few seconds the battery terminals with a metal tool (tweezer, screwdriver, knife, piece of wire) after removing the old battery in order to recharge the remaining energy in capacitors.

It is necessary for resetting the battery life counter!

SCREW TERMINALS - Battery inserting

- Insert new battery back to terminals. Consider polarity! Screw it up firmly.

- It is good idea to write down the time stamp of battery replacement.
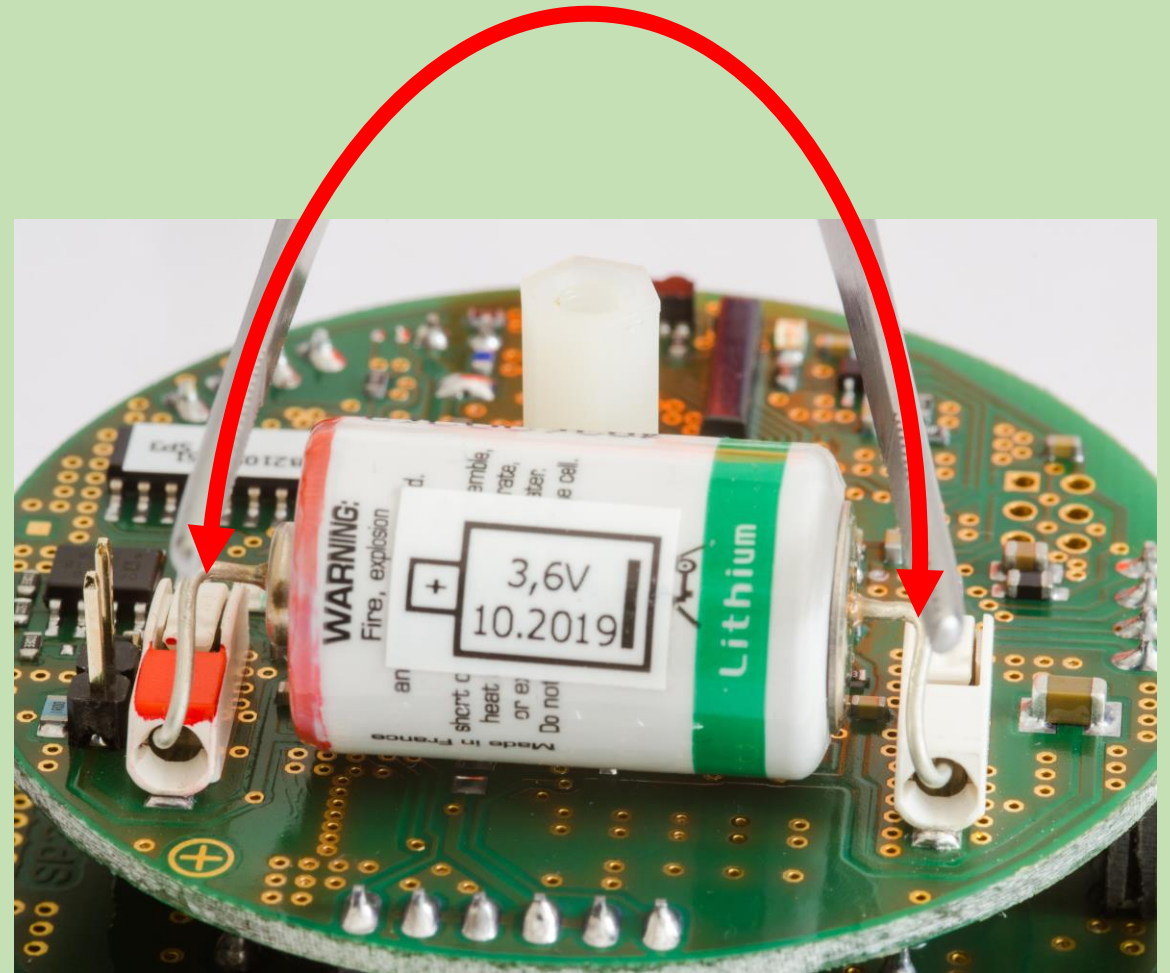
- Insert new desiccant bag.

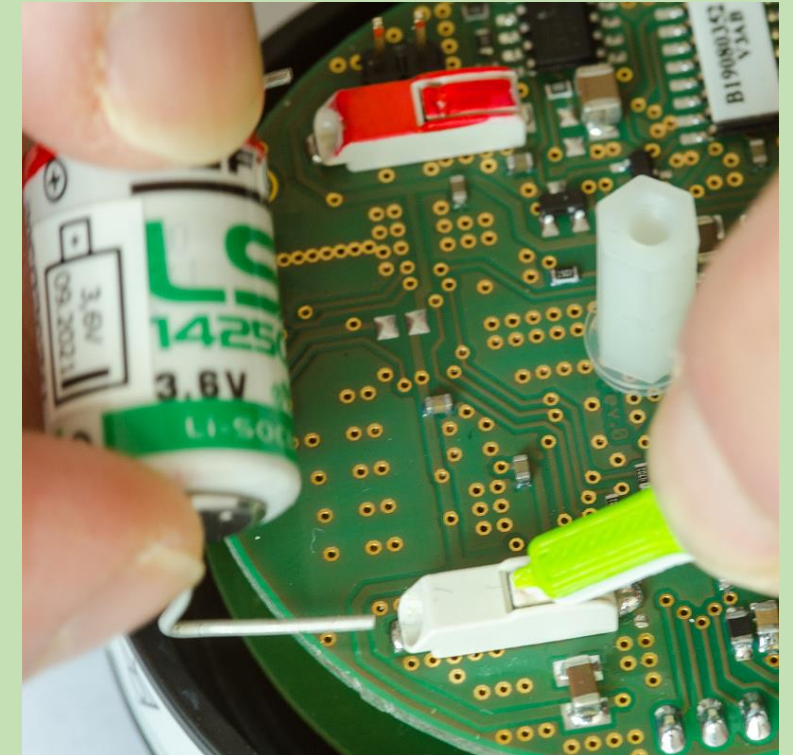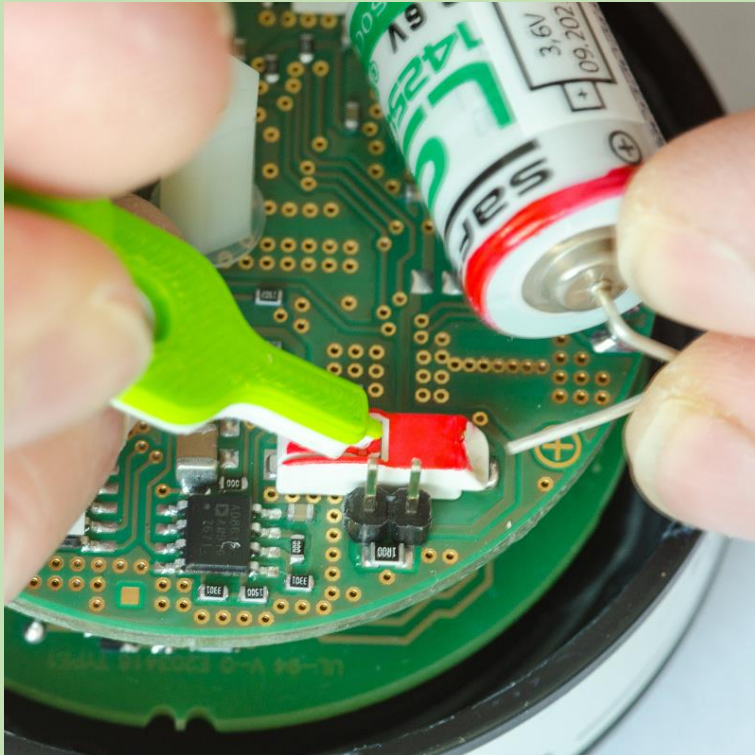# SCREWLESS TERMINALS - battery reset

Important!

Short circuit thoroughly (better twice) for a few seconds the battery wires with a metal tool (tweezer, screwdriver, knife, piece of wire) after removing the old battery in order to recharge the remaining energy in capacitors.

It is necessary for resetting the battery life counter!

SCREWLESS TERMINALS - battery removal

- Remember the battery polarity.
- Warning – the plastic part is fragile. Make sure to use appropriate tool!
- Squeeze the positive battery terminal and release the battery wire.
- Squeeze the negative battery terminal and remove the battery.
- Don't forget to recycle battery.

SCREWLESS TERMINALS - battery inserting

- Insert new battery. Consider polarity!
- Squeeze negative terminal and insert the battery wire.
- Squeeze positive terminal and insert the battery wire.
- It is good idea to write down the time stamp of battery replacement.
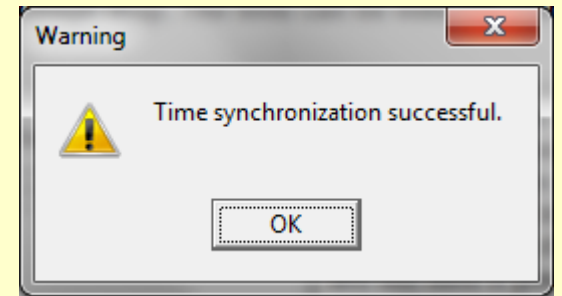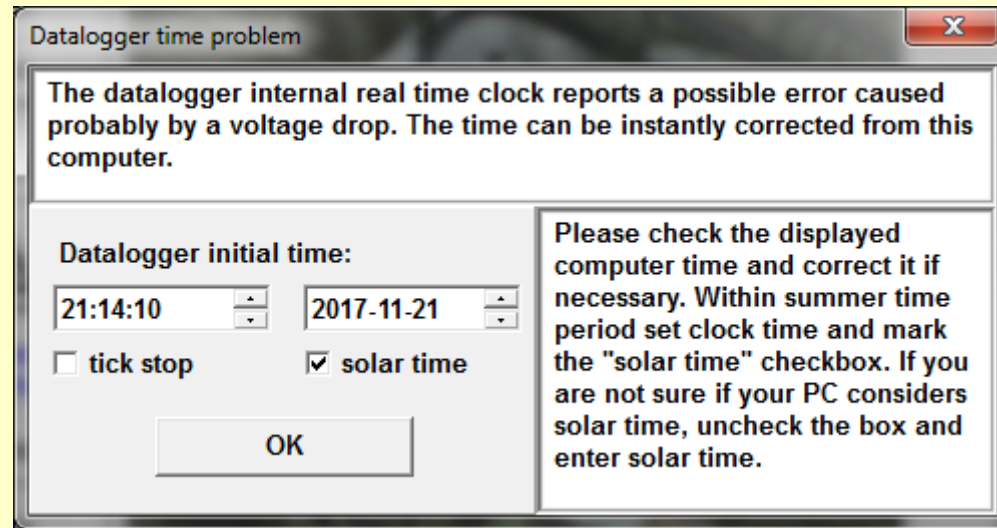- Insert new desiccant bag.
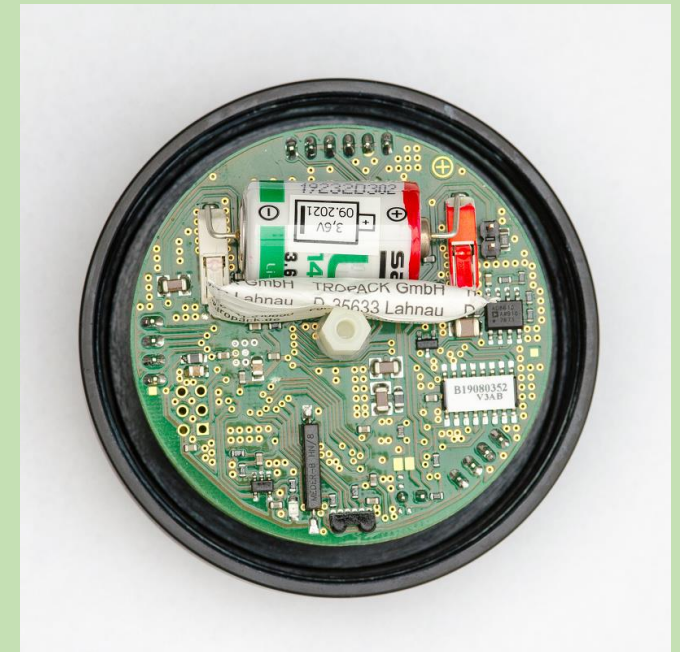
Datalogger closure

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.

Sensor 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

Reset the battery counter through Mini32: Configuration > More > Batt. reset.

Battery counter
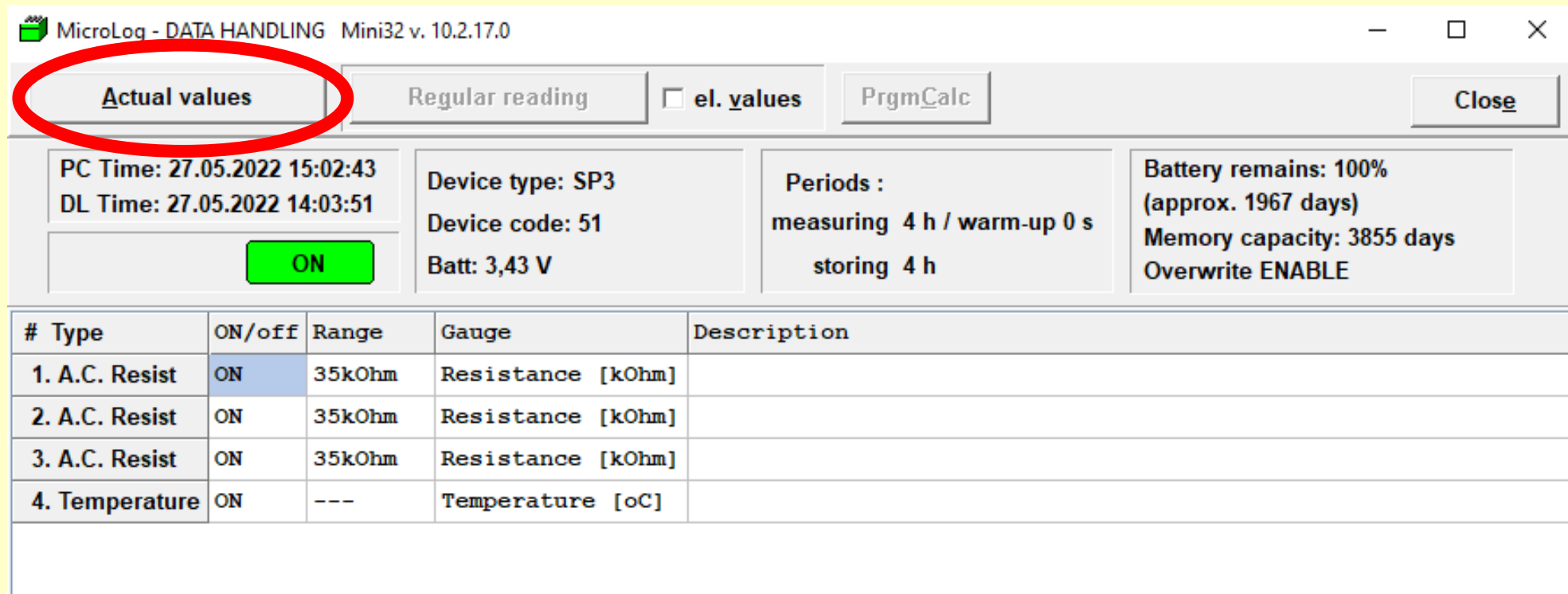
- Choose the battery status of battery
- If inserted battery is used and only temporarily removed, choose this option and set remaining energy (%)

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!