



LTL-X Mark II, battery

The LTL-X Mark II retroreflectometer is powered by a high capacity 12V/4.5Ah NiMH (Nickel-Metal Hydride) battery. Under normal use, this battery requires no maintenance. However it is recommended to keep the battery fully charged. A fully charged battery is more capable of withstanding degeneration.

A mains powered 15V power adaptor for charging (the instrument has a built-in charging circuit) is supplied as customary delivery. If the instrument was turned off it will automatically power on when the power adaptor is connected. The battery icon in the upper right corner will also indicate the charging state. Charging time will be 3½ hours and a new and fully charged battery will provide approx. 2.500 measurements.

No harm done if leaving the power adaptor connected after the charging process has finished. However, the instrument must be disconnected from the power adaptor if disconnecting the battery from the instrument. In addition, the battery can be charged using any DC supply from 15-18 VDC.

For “field” charging the 15V power supply could be powered from an “AC power inverter” connected to the car battery.

When storing the instrument for a long period of time fully charge the battery.

THE BATTERY SUPPLIED WITH LTL-X Mark II IS SPECIALLY DESIGNED FOR THE INSTRUMENT TO ENSURE SAFE USE. IF A **NON DELTA** SUPPLIED OR APPROVED BATTERY IS USED, DELTA CAN TAKE NO RESPONSIBILITY FOR ANY DAMAGES CAUSED DUE TO THE PERFORMANCE OF THIS BATTERY.

Replacing the battery

A depleted battery will not hold a charge very long, and it should be replaced. This can be done by the user.

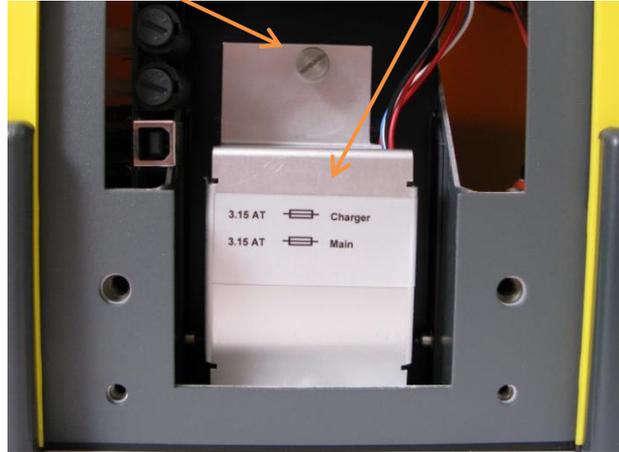
Note:

Always turn off LTL-X Mark II before removing the battery to make sure that the processor is shut down properly.

Disconnecting the battery for a longer period of time can reset the internal clock in the instrument.

The battery is located in a compartment at the low end of the rear of the tower. To replace the battery, remove the two screws from the back cover and remove the cover.

Loosen the big screw at the battery cover. You can now remove the cover



Lift the battery out of the compartment. Press the snap-on clip on the connector and carefully withdraw it from the printed circuit board.



The battery can now be removed and replaced. Refit in reverse order. Please check your local regulation for disposal of the battery.

Battery status

An indication of the capacity of the battery can be seen from the icon, in the upper icon row.



Shows that charging takes place



Shows that the charging is finished



Indicates that the battery is fully charged



Indicates that the capacity of the battery is half empty



The battery is almost empty and need recharging