



# Calibrating the LCT-Ultimate

The LCT-Ultimate leaves the factory fully calibrated, so there is no need for calibration when its new. Anyway, after long time of use, or if your tester is inspected and tracing, there is a simple procedure to recalibrate the unit.

## The followings are needed to do the calibration:

Two 1000ohm and two 10ohm accurate resistors

A good accurate Load Cell simulator for 2mv/v

## Preparing the calibration plug:

Connect 1000ohm resistor between Ex+(1) and Ex-(6)

Connect 1000ohm between Signal+(3) and Signal-(4)

Connect 10ohm between sense+(2) and Ex+(1)

Connect 10ohm between sense-(5) and Ex-(6)

Leave pins 7 and 8 open

The plug for calibration is ready



## Doing the calibration

Before start make sure that the LCT-Ultimate is turned off.

Hold together the right key and the middle key for 3 seconds,

till the display shows the following message: **Connect Plug 1Kohm.**

Connect the plug you prepared and press Enter

The display will show **calibrating** and the led will blink in

different colors and after few seconds will ask to **connect gain simulator**

Connect the Load Cell simulator and press enter. The display shows

**Set sim. to 0%.** Make sure to setup the simulator for 0% output.

and press enter. In few seconds the led will start to blink in different colors and once finished it shows **Set sim. to 100%.**

Set the simulator to 100% and press Enter. The led will blink for few seconds and once it finished the calibration is done.

## Notes:

- \* Make sure that load cell simulator was setup for **2mv/v** output
- \* The calibration parameters will be stored in a non-volatile memory, that don't depends on the batteries.
- \* While doing calibration you may Skip each stage. For example:  
If just gain calibration is required, choose **skip** when the display asked for the plug calibration.
- \* Removing the batteries in the middle of the calibration, will restore the LCT to the default factory parameters. In such a case a full calibration is required for the best results.