CADEX
*Battery Maintenance Solutions*

## Obtaining Correct OhmTest Readings

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Product: Cadex 7000 & Cadex 7200/7400 Battery Analyzers
Firmware Version: All firmware versions

The Ohmtest program provides the internal resistance of a battery using a proprietary Cadex algorithm.  Users may observe that the Ohmtest results vary between the Cadex 7000 and Cadex 7200/7400 and even between machines of the same model.

The Ohmtest algorithm, before producing a result, has to factor in various other numbers in order to produce an accurate result. For example, the internal resistance of the analyzer circuitry has to be factored in. All these factors are calculated and stored in an adapter during station/adapter calibration.  A calibrated adapter will produce an accurate result for the Ohmtest across various platforms and machines.

Therefore, Cadex strongly recommends calibrating an adapter before using Ohmtest, especially if moving an adapter between the Cadex 7000 and Cadex 7200/7400.  We also recommend that the adapters be calibrated every six months.  In addition, we recommend that a voltage calibration be performed on the analyzer once every year to correct any voltage drift; the voltage calibration kit (p/n: 92-770-0210) can be used on any of our 7x00 series analyzers.

Adapter calibration is simple and takes about a minute. Follow these steps:

This applies to the C7000 and C7200 (all firmware versions):

1. Insert the adapter (without a battery) into a station.
2. Press and release the [Fn] key.
3. Press and release [8] on the keyboard.
4. Select the station the adapter is in.
5. Short the leads if using adapters with alligator clips (7-0115) or use a 10-gauge wire (2.5mm) across all the adapter terminals.
6. Press the [Enter] key to begin calibration.
7. The process takes approximately 10 seconds. Remove the adapter when calibration is finished.

In addition to calibration, it is also important to check the C-Code in each adapter match each other if comparing the Ohmtest between adapters.

**- END -**