

# Necessary Information for User

In order to test the **accurate battery capacity** by the product, it's necessary to fulfill the following 4 conditions for testing at the same time:

1. Testing carried out at the **temperature around 25°C** can get the most accurate CCA value. Both of extreme cold and intense heat affect test result.
2. The **battery should be fully charged** before testing.
3. **It's necessary to input the correct CCA value** for testing. (The value is available in the indication information on the battery or on website of the battery manufacturer.)
4. **Vehicles must be turned off over half hour** for the battery testing.  
**Freshly fully charged battery should be tested after half hour.**

★ **If the accurate CCA value is not available**, press  button after turning on the product, the Analyzer will go directly "On Test".

The test result of voltage, CCA value and resistance will still be correct, **only the result of Battery Capacity by bar graph indication is for possible reference.**

## **The applied testing method by the Digital Battery Analyzer:**

*Method of inner resistance test by four-wire interflow*

### **Testing Process:**

The testing is based on input into the battery by successive square-wave signal of 100Hz low frequency.

And the calculation of each index digit of old battery is based on the mode of digital interchange by CPU.

*The test accuracy by the method can reach 1/4095.*