

# MDXT - 380 Storage Battery Tester

## Operation Instructions

1. Attach tester clips to the battery with red to the positive terminal and black to the negative terminal. The display screen of the tester will show the startup interface. If the voltage of the tested battery is below 7.0V, the test cannot be conducted normally; press the "Enter" key to continue.



2. According to the instructions of the tester, using the "up" and "down" keys allows you to select

- ① battery test
- ② system startup test
- ③ charging system test
- ④ settings one by one.

- ① battery test

After selecting battery test item, press "Enter" key, below prompts in the screen:

\* Charging status selection: Turn off the car engine and power off, keep still > 30 minutes. select to test "Before Charging" mode; After battery fully charged, keep it still > 48 hours, and select to test "After Charging" mode.

\* Battery type selection: The tester provides items of ordinary battery, AGM, EFB, GEL, 12V lithium battery, or BEVIGOR Use the "up" and "down" arrow keys to select

the battery type, and press “Enter” to confirm.

\* Input standard selection: Refers to the battery factory-labeled standard, which can be seen on battery top or front. Select the standard marked on the battery, such as “CCA”, “BCI”, “DIN”, etc. If no standard is found, you can choose “AH” and input Ah value for testing, may have a small margin of error.

\* Rated capacity selection: Refers to the battery Cold Cranking Amp - CCA start current standard by the battery factory. On the top or front of the battery, it can be seen, such as CCA 500A.

\* Push “Enter” key to start

\* Regarding internal resistance-IR, for the same battery, the smaller IR means the better health condition (except for short circuits). The IR value can be used as a reference of battery performance in certain degree.

## ② Startup system test

After turning on the device, follow the prompts of the tester, select the 2nd item to activate the system test function by pressing “Enter” key. Generally, a starting voltage value higher than 9.6V is normal, while lower than 9.6V is abnormal

## ③ charging system test

After entering the 3rd charging system test function, simply press the “Enter” key to start the test.

#### ④ Basic settings

You can view historical data (the device can store 20 sets of test results), adjust the backlight brightness, set the key sound degree, and configure the reading language - there are total 8 language options to serve customers who speak: English, Espanol, French, Deutsch, Italino, Russia, Portugues, Polski, Nederlands & Turkey

#### 3. QC quick check

Press the “QC” key to enter the quick test mode. The tester will simplify the test input process, making the battery test faster and simpler. The battery will be tested based on previous setup of the last battery tested on same type, input standard and rated CCA value etc.

This function is especially convenient for battery distributors / dealers to inspect new batteries purchased in batches, and is also suitable for battery plant to check batteries in large quantity with same specifications.