

Clarke®



12V BATTERY/ALTERNATOR TESTER

MODEL NO: CBAT2

PART NO: 6260106

OPERATION & MAINTENANCE INSTRUCTIONS



ORIGINAL INSTRUCTIONS

DL0323

DISPLAY IDENTIFICATION



1	LCD Display Screen	7	Alternator Test Indicator - Charge
2	Battery Test Indicator - Low	8	Battery Test Start Button
3	Battery Test Indicator - Medium	9	Alternator Test Start Button
4	Battery Test Indicator - High	10	12V Cigarette Lighter Test Lead
5	Alternator Test Indicator - Over	11	Crocodile Clips Test Lead
6	Alternator Test Indicator - Low		

OPERATION

FUNCTION DESCRIPTION

- Testing of all 12V vehicle lead-acid batteries.
- Shows real-time voltage and battery charge with the results shown as LOW/MID/FULL.
- Test charging system with the results shown as LOW/OVER/CHARGE, and displays the charging voltage in real time.
- Two options available for connecting:
 - Directly plug into the vehicles 12V cigarette lighter socket.
 - Connect directly to the battery terminals with attached crocodile clips test lead.
- Protection of reverse polarity connection and over-current, with built in fuse.

PRECAUTIONS

- DO NOT** test a battery within a short period of time after charging or use, as the result maybe inaccurate.
- Perform the test when the battery is in a cold state, when the voltage is stable.
- Make sure all electrical equipment is turned off when testing.
- Keep the vehicle stationary during testing. **DO NOT** test while the vehicle is being driven.

BATTERY TEST

- Make sure that the vehicle ignition is in the off position.
- Connect the tester to the battery via the crocodile clips or cigarette lighter test lead and the battery voltage value will be shown on the LED screen.
 - Testing with the Crocodile Test Lead: Connect the red clamp to the positive (+/red) terminal on the car battery, then connect the black clamp to the negative (-/black) terminal.

- Testing with the Cigarette Lighter Test Lead: Insert the cigarette lighter test lead into the 12V DC cigarette lighter socket of the vehicle.
- Turn off all electrical equipment and wait for the voltage to stabilize.
 - Press the Battery button to enter the battery test function. This will show on the LED screen the voltage value and the test result.
 - If the LOW light is on, it means that the battery power is very low and needs to be charged as soon as possible. Voltage: <11.8V.
 - If the MID light is on, it means the battery power is lower and needs to be charged. Voltage: ≤11.8V MID <12.5V
 - If the FULL light is on, it means the battery is fully charged. Voltage: ≥12.5V
 - Once completed, remove the black clamp from the negative (-/black) terminal on the car battery then remove the red clamp from the positive (+/red) terminal or unplug the cigarette lighter test lead.

CHARGING SYSTEM (ALTERNATOR) CHECK

- Connect the tester to the battery via the crocodile clips or cigarette lighter test lead and the battery voltage value will be shown on the LED screen.
 - Testing with the Crocodile Test Lead: Connect the red clamp to the positive (+/red) terminal on the car battery, then connect the black clamp to the negative (-/black) terminal.
 - Testing with the Cigarette Lighter Test Lead: Insert the cigarette lighter test lead into the 12V DC cigarette lighter socket of the vehicle.
- Start the engine and keep the vehicle out of gear or in neutral
- Turn off all electrical equipment, including headlights, air-conditioning, glass heating, etc.
- Increase the engine speed to 2500RPM or above.
- Press the Alternator button to enter the charging system test mode. At this time the LED screen will show the charging voltage value and the test result.

- If the OVER light is on, it means that the alternator output voltage is high. Voltage ≥15V
 - If the LOW light is on, it means that the alternator output voltage is low. Voltage: <13.5V
 - If the CHARGE light is on, it means the charging system is normal. Voltage: ≤13.5 CHARGE < 15V
- Once completed, remove the black clamp from the negative (-/black) terminal on the car battery then remove the red clamp from the positive (+/red) terminal or unplug the cigarette lighter test lead.

MAINTENANCE

CLEANING

- Before cleaning, disconnect the device from the electrical system.
- DO NOT** use any liquid cleaning product.
- DO NOT** use any inflammable cleaning product.
- DO NOT** submerge the device or spill any liquids over it.
- If needed, clean the device with a light, damp, soft cloth.

SPECIFICATION

Product Description	Alternator and Battery Tester
Part number	6260106
Operating Temp. Range	-20c - 70c
Input Voltage	6V -25V (12V System)
Measurement (H x W x D)	110 x 60 x 15 mm
Product Weight	130g
Compatible Battery Types	12V Lead Acid Batteries: WET (Flooded) MF (Maintenance Free) EFB (Enhanced Flooded) AGM (Absorbed Glass Mat) GEL VRLA (Valve Regulated Lead Acid) Lead Calcium SLA (Sealed Lead Acid) 12V LiFePO4 (Lithium Iron Phosphate)