

# Clarke®



## 500AMP BATTERY TESTER

Model: CBT500

Part No: 6260110

## USER INSTRUCTIONS



Thank you for purchasing this CLARKE 12 Volt Battery Tester.

Before attempting to use the tester, please read these instructions thoroughly and follow the instructions carefully. In doing so you will ensure the safety of yourself and that of others around you, and you can look forward to the Tester giving you long and satisfactory service.

CLARKE GUARANTEE	
This CLARKE product is guaranteed against faulty manufacture for a period of 12 months from the date of purchase. Please keep your receipt as proof of purchase.	
This guarantee is invalid if the product is found to have been abused or tampered with in any way, or not used for the purpose for which it was intended.	
Faulty goods should be returned to their place of purchase, no product can be returned to us without prior permission.	
This guarantee does not effect your statutory rights.	

## Specifications

Model No: ..... CBT500  
Part No: ..... 6260110  
Load capacity: ..... 500Amp  
Battery test type: ..... Up to 160 Ah/1000 CCA  
Test voltage range: ..... 0 -16 Volts  
Dimensions: ..... 270x262x130mm  
Weight: ..... 4Kg

## Features

- Tests 12 volt batteries, (May also be used by qualified technicians for testing other 12V equipment such as alternators, regulators and starters etc. If necessary, consult the relevant handbook.
- Test batteries Up to 160Ah/1000 CCA.
- 500amp adjustable load carbon pile and battery temperature scale.
- Colour coded temperature compensation pass/fail chart.
- Colour coded voltmeter and ammeter.
- Calibrated to test batteries to SAE (UK) test criterion only.

**NOTE: CCA rating (Cold Cranking Amp rating)**  
This industry rating measures the cranking power a battery has available to start a car's engine at 0 degrees F. Battery Council International defines it as the number of amps a lead acid battery at 0 degrees F can deliver for 30 seconds and maintain at least 1.2 volts per cell  
Please note that the details and specifications contained herein, are correct at the time of going to print. However, CLARKE International reserve the right to change specifications at any time without prior notice.

## Operation

### **WARNING!**

*This tester can produce considerable heat when in use. Take care to allow sufficient time to cool down between tests to avoid injury due to heat buildup. ALWAYS wear safety goggles when using this equipment.*

## BATTERY TESTING

### **WARNING!**

*When testing a vehicle battery in situ, ensure it is disconnected from the vehicle.*

1. Ensure the battery electrolyte is topped up correctly and the battery is fully charged.
2. Place the tester horizontally on a suitable flat level surface.
3. **IMPORTANT! ALWAYS** ensure the unit is switched **OFF** (by turning the control knob fully in an anticlockwise direction), **BEFORE** connecting **OR** disconnecting the clamps.
4. With the unit switched OFF, connect the RED clamp to the (+) positive battery terminal first, followed by the black clamp to the negative (-) terminal. Take care not to reverse the clamps. This procedure avoids the possibility of sparks occurring.

### **DANGER!**

*A danger of explosion exists if sparks occur, due to possible presence of hydrogen.*

5. Check to ensure the battery is fit for testing, by reading off the appropriate measurement on the Voltmeter.
6. Turn the knob clockwise - quickly, to apply the appropriate load. This should be 1/2 the CCA rating or 3 times the amp hour rating of the battery, indicated on the ammeter - top scale.

*NOTE: Three scales are provided. Top - ammeter, Middle - Ampere Hour and Bottom - The CCA value. You may read directly from the appropriate scale.*

7. When the buzzer sounds - after approx. 15 seconds, read the voltage, then switch the unit OFF, and disconnect the clamps....black (-ve) first. **NEVER disconnect the clamps before the load is OFF.**

**Do not hold the load for longer than 15 seconds.**

Always inspect the leads before use, should they be damaged - cracked or wires bear, contact your Clarke dealer to have them replaced.

There are no user serviceable parts within this appliance.

