

Clarke®



BATTERY TESTER

MODEL NO: CVT2

PART NO: 6260103

OPERATION & MAINTENANCE INSTRUCTIONS



ORIGINAL INSTRUCTIONS

LS0720 - ISS 3

INTRODUCTION

Thank you for purchasing this CLARKE product.

Before attempting to use this product, please read this manual 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 your purchase giving you long and satisfactory service.

GUARANTEE

This product is guaranteed against faulty manufacture for a period of 12 months from the date of purchase. Please keep your receipt which will be required 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.

ENVIRONMENTAL RECYCLING POLICY



Through purchase of this product, the customer is taking on the obligation to deal with the WEEE in accordance with the WEEE regulations in relation to the treatment, recycling & recovery and environmentally sound disposal of the WEEE.

In effect, this means that this product must not be disposed of with general household waste. It must be disposed of according to the laws governing Waste Electrical and Electronic Equipment (WEEE) at a recognised disposal facility.

SAFETY PRECAUTIONS

1. Always avoid creating sparks in a battery charging environment, as this could cause fire, or even an explosion.
Similarly, it is vital to avoid creating sparks when testing a battery in a motor vehicle in situ, as spikes in the system could cause serious damage to the vehicle electronic circuitry.
Ensure that the RED or POSITIVE clamp does not touch any other part of the vehicle, and be particularly careful where you place the tester within the engine compartment. The main body of the tester is metal, and if placed carelessly, it could cause a short circuit and hence damage to the electrical system.
2. Avoid dropping the tester, as this could cause damage, which may not prevent the device from working, but could nevertheless cause the readings to be inaccurate.

OPERATION

With the meter disconnected from the battery, ensure the gauge needle is set to zero, using the screw on the front of the gauge as necessary.

BATTERY TEST

Make sure that the battery contacts are clean and firm, and that on small batteries, there is absolutely no possibility of the clamps touching each other.

1. Connect the RED clamp to the POSITIVE terminal.
2. Connect the BLACK clamp to the NEGATIVE terminal.
3. Press and hold the spring loaded LOAD Switch, for at least 5 seconds (Do not exceed 10 seconds) to allow the load to take effect. With the load switch held, read the condition of the battery on the scale provided, referring to the Battery Analysis chart, on the following page.

CHARGING SYSTEM TEST

1. Connect the RED clamp to the POSITIVE terminal.
2. Connect the BLACK clamp to the NEGATIVE terminal.
3. Connect the leads to the battery, as above, and run the engine at a fast idle speed.
4. Read the gauge (charging system section on the right of the gauge).
 - Do not operate the Load Switch.

BATTERY ANALYSIS

METER READING

LOAD TEST	BATTERY CONDITION
OK (Green)	Battery capacity is OK. Battery may or may not be fully charged. Check specific gravity of battery to determine state of charge. If specific gravity is less than full charge, check for electrical drain or possible charging system trouble. Recharge battery to full level.
Weak or Bad, But Needle is Steady (Yellow or Red)	Battery capacity is not satisfactory. Battery may be either defective or not fully charged. Check specific gravity to determine which condition exists. If charging does not bring specific gravity to full charge level, battery should be replaced.
Weak or Bad, But Needle is Falling (Yellow or Red)	Battery may be defective or very run down. Release load switch and note voltmeter reaction. Voltage recovery to 12 volt or above within seconds indicates defective battery. Slow voltage recovery indicates run down condition. For best results, check specific gravity.
Charging System (White)	If the display meter needle reads OK charging system is functional. If it falls on the low red or high red areas, charging system may be malfunctioning.

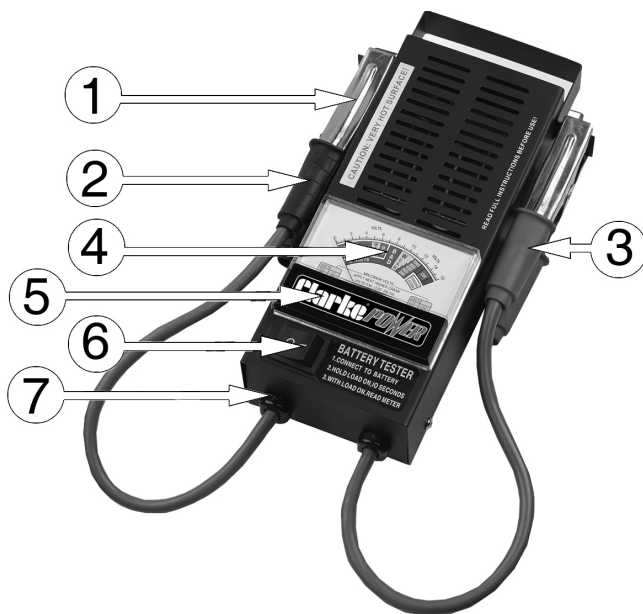
TEMPERATURE COMPENSATION

Battery temperature	+20°F (-7°C)	0°F (-18°C)	-20°F (-29°C)
Decrease battery rating by:	1 STEP	2 STEPS	3 STEPS
1 STEP = 50 Cranking Amps			



CAUTION: TO PREVENT OVERHEATING, ALLOW TESTER TO COOL FOR 5 MINUTES BEFORE DEPRESSING THE LOAD SWITCH AGAIN IF FURTHER TESTING IS REQUIRED.

SPARE PARTS LIST



ITEM	DESCRIPTION
1	Crocodile Clip
2	Sleeve Black (handle) - Negative
3	Sleeve Red (handle) - Positive
4	Gauge Assy
5	Gauge Cover
6	LOAD 'On' Switch
7	Plastic Grommet

MAINTENANCE

- As the metal clamps are liable to come into contact with battery electrolyte, it is advisable to wipe them clean and dry after use, and apply a thin film of silicon grease to prevent the possibility of corrosion.

SPECIFICATION

Model Number	CVT2
Cable length (including Clamps)	460 mm
Product Dimensions: (L x W x H)	280 x 160 x 75 mm
Weight	1.1 kg
Part Number	6260103

DECLARATION OF CONFORMITY



Clarke[®]
INTERNATIONAL

Hemncall Street, Epping, Essex CM16 4LG

DECLARATION OF CONFORMITY

This is an important document and should be retained.

We hereby declare that this product(s) complies with the following directive(s):

2014/30/EU Electromagnetic Compatibility Directive.

2011/65/EU Restriction of Hazardous Substances (amended by (EU) 2015/863).

The following standards have been applied to the product(s):

EN 61326-1:2013, EN 55011:2009+A1:2010.

The technical documentation required to demonstrate that the product(s) meet(s) the requirement(s) of the aforementioned directive(s) has been compiled and is available for inspection by the relevant enforcement authorities.

The CE mark was first applied in: 2012

Product Description: 12V Battery Tester
Model number(s): CVT2
Serial / batch Number: N/A
Date of Issue: 29/06/2020

Signed:

J.A. Clarke
Director

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PARTS & SERVICE: 0208 988 7400

Parts Enquiries
Parts@clarkeinternational.com

Servicing & Technical Enquiries
Service@clarkeinternational.com

SALES: UK 01992 565333 or Export 00 44 (0)1992 565335

Clarke INTERNATIONAL Hemnall Street, Epping, Essex CM16 4LG
www.clarkeinternational.com