

CLARKE®



DIGITAL BRAKE FLUID TESTER

MODEL NO: CDBT2

PART NO: 4501149

OPERATION & MAINTENANCE INSTRUCTIONS

UK
CA | CE



Li-Po

ORIGINAL INSTRUCTIONS

DL0224

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 waste disposal facility.

SAFETY INSTRUCTIONS



CAUTION: PLEASE READ THESE INSTRUCTIONS AS WELL AS THOSE IN YOUR VEHICLE HANDBOOK VERY CAREFULLY BEFORE USING THE TESTER. KEEP THEM IN A SAFE PLACE FOR FUTURE REFERENCE.

1. **ALWAYS** use a standard 5V USB charging port and the USB Type-C cable supplied to charge the device.
 2. **ALWAYS** keep away from heat sources and combustible and flammable materials when charging.
 3. If brake fluid accidentally comes into contact with skin, rinse area with plenty of water. If brake fluid accidentally comes into contact with eyes, rinse eyes with plenty of water and seek urgent medical attention.
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SPECIFICATION

Application Types	DOT3, DOT4, DOT5.1
Built-in Battery Type, Capacity & Run Time	Lithium Polymer, 600mAh, 10 Hours
Charging Voltage	5V, USB Type-C Charging Port
Display	Monochrome LCD
Protection	Built-in Fuse with Overcurrent Protection
Working Temperature	-20°C ~ 70°C
Storage Temperature	-30°C ~ 80°C
Measurements (LxWxD)	370mm x 50mm x 40mm
Weight	131g

DISPLAY IDENTIFICATION



1	LCD Display Screen	6	Lock Button
2	Detection Probe Head	7	Mode Button
3	Light Button	8	300mm Type-C Charging Cable
4	Sound On/Off Button	9	Worklight
5	On/Off Button		

OPERATION

OVERVIEW

This product is a handheld vehicle testing device, which can determine whether the brake fluid needs to be replaced by detecting the water content in the brake fluid. It can be used to detect water content in common brake fluids such as DOT3, DOT4 & DOT5.1.

MAIN FUNCTIONS

1. To check the reliability of brake fluid, display the percentage of water content and test results.
2. Built-in alarm function. An alarm tone will be emitted when the brake fluid needs to be replaced.
3. Built-in one key lock screen function to lock test results.
4. Support to detect DOT3, DOT4 & DOT5.1, the three most common brake fluids.
5. The detection probe head and hose are integrated to achieve IP67 waterproof.
6. Built-in lithium polymer battery with USB Type-C charging cable.
7. Automatic shutdown when not in operation.

INSTRUCTIONS

1. Press the 'ON' button to turn the device on. After starting up, a fixed interface display will appear, and the backlight will be lit at the same time.
2. Press the 'MODE' button to switch between the type of brake fluid to be tested. Three types of brake fluid can be selected: DOT3, DOT4 & DOT5.1.
3. Insert the metal probe head into the brake fluid to be tested, the screen will automatically display the water content of the selected brake fluid and the test results.
 - If the water content is less than 1%, it means the brake fluid is good.

- If the water content is between 1.5% & 2.5%, it means the brake fluid is poor.
 - If the water content is more than 3%, it means that the brake fluid water content is too high and needs to be replaced.
4. Press the 'LOCK' button to lock the test results for easy viewing or sharing.
 5. Press the 'LIGHT' button to turn on or off the worklight function.
 6. Press the 'SOUND' button to turn the alarm on or off.
 7. Charging: Plug the USB Type-C charging cable into the charging slot at the bottom of the tester and the other end of the cable into a standard 5V USB charging port. The battery indicator is in the bottom right-hand corner of the display screen, when all 3 bars are solid the battery is fully charged. Charging from flat will take approximately 6 hours.


PRECAUTIONS


1. The metal probe terminal must be completely immersed in the brake fluid, otherwise the test accuracy will be affected.
2. After each test, wipe the probe with clean paper or cloth towel to avoid leaving oil stains, otherwise it may affect the accuracy of the next test.
3. The device has a built-in lithium polymer battery, avoid long term exposure to high temperatures.

CLEANING

- **DO NOT** use any liquid cleaning product.
- **DO NOT** use any inflammable cleaning product.
- **DO NOT** submerge the main body of the device or spill any liquids over it.
- If needed, clean the device with a light, damp, soft cloth.

DECLARATION OF CONFORMITY





Hennell 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 legislation:

- The Batteries and Accumulators (Placing on the Market) Regulations 2008*
- The Electromagnetic Compatibility Regulations 2016*
- The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012*

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


EN 61000-3-3:2013/A1:2019/A2:2021, EN 55032:2015/A1:2020/A11:2020, EN 55035:2017/A11:2020,
 EN IEC 61000-3-2:2019/A1:2021, IEC 62321-1-1:2015, IEC 62321-7-2:2017, IEC 62321-3-1:2013,
 IEC 62321-4:2013+AMD1:2017, IEC 62321-5:2013, IEC 62321-6:2015, IEC 62321-8:2017

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

The UKCA mark was first applied in: 2024


Product Description:	Brake Fluid Tester
Model Number(s):	CD8T2
Serial/Batch Number:	Refer to product/packaging label
Date of Issue:	09/02/2024


Signed:



J.A. Clarke
Director

CD8T2 UKCA Doc 020824 Page 1 of 1





Fitwilliam Hall, Fitzwilliam Place, Dublin 2

DECLARATION OF CONFORMITY

This is an important document and should be retained.

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

- 2006/66/EC Battery Directive*
- 2014/30/EU Electromagnetic Compatibility Directive*
- 2011/65/EU Restriction of Hazardous Substances (RoHS) Directive*

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


EN 61000-3-3:2013/A1:2019/A2:2021, EN 55032:2015/A1:2020/A11:2020, EN 55035:2017/A11:2020,
 EN IEC 61000-3-2:2019/A1:2021, IEC 62321-1-1:2015, IEC 62321-7-2:2017, IEC 62321-3-1:2013,
 IEC 62321-4:2013+AMD1:2017, IEC 62321-5:2013, IEC 62321-6:2015, IEC 62321-8:2017

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

The CE mark was first applied in: 2024

Product Description:	Brake Fluid Tester
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Signed:



J.A. Clarke
Director

CD8T2 CE Doc 020824 Page 1 of 1

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PARTS & SERVICE: 0208 988 7400

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