



# CRYPTON TOOLBOX OPERATORS MANUAL

## **IMPORTANT**

Every reasonable effort has been made to ensure that information within these Operating Instructions is correct at the time of release, but Crypton cannot accept responsibility for any errors that may occur. The information in these Operating Instructions is subject to change without notice, and does not represent a commitment on the part of Crypton.

## **Service & Warranty**

The reliability of this equipment is fully supported by Crypton. Please refer to the section titled 'After Sales Service' for full details.

## **Software Licence**

Further to our general Terms & Conditions of Sale, the software described in these Operating Instructions is furnished under the following Software Licence Agreement:

1. Licence: You may use the program on the machine provided. You may not copy, duplicate or transmit the program in any form, in whole or in part, without the express prior written permission of Crypton.
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3. Crypton does not warrant that the program will meet your requirements or that its operation will be uninterrupted or error free.
4. In no event will Crypton be liable to you for any incidental or consequential damages, including lost profits, business operation and the like, arising out of the use or inability to use this program

You acknowledge that you have read this Agreement, understand it, and agree to be bound by its provisions.

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## **Safety Precautions**

1. When testing a vehicle, never short plug leads to the dipstick, rocker cover, battery or other components, which may not be directly earthed. This can cause an explosion of oil fumes or hydrogen.
2. When the diagnosis is performed with the engine running, operators should exercise due caution with regard to the fan and associated belts, shock from ignition components and burns from the exhaust system. Care should also be taken to keep test leads clear of rotating components, i.e. the fan, pulleys, belts, etc.
3. Where the test area is confined, provision should be made to extract the exhaust gases.
4. Ensure the vehicle parking brake is operated and that gear selection is set to Neutral or Park before commencing any testing.
5. The internal circuits and components should not be tampered with. There are no user-serviceable parts inside the Crypton Oscilloscope and DMM.
6. To ensure reliable results are obtained, diagnostic leads should be routed away from high tension components of the ignition system, i.e. coil, plug leads, distributor cap, etc.
7. Ensure the maximum voltages and currents specified on DMM and Crypton Oscilloscope are not exceeded.

## **Reception**

Unpack the equipment and examine for any damage.

Check the contents against the despatch schedule enclosed for any loss or discrepancies.

**Report any breakage, loss or discrepancy to your supplier immediately.**

## General Description Facilities and Options

Toolbox consists of a general purpose Digital Multi-Meter (DMM), software to display multi-meter readings and where fitted a powerful PC based oscilloscope. The multi-meter may be one of two versions either wired or Bluetooth.

### Running Toolbox

From the desktop double click the toolbox icon & the DMM screen will appear. The DMM can be used to take measurements from the test vehicle and run several guided diagnostic tests.

Clicking on the Help Icon on the right hand side of the screen provides a description of the function of the icons available on screen.

Toolbox provides a link to the Crypton scope software (where installed. When scope software not installed this icon is not available). To run the scope software click on the scope icon located in the toolbar on the right hand side of the screen from within the toolbox program.



Help on setting up the scope and connecting to the vehicle under test is available from within the scope software when ever a preset automotive scope setup is selected.



## Spare Parts

### Digital Multi-Meter

Current clamp	AMP7 (dmm1) TRDU0115 (dmm 2)
Test probes	Kits0046

### Oscilloscope

Current clamp	TRDU0131
Test lead	CABL7020
Black crocodile clip	CLIP0092
Red crocodile clip	CLIP0093
Black dolphin clip	CLIP0094
Red dolphin clip	CLIP0095
Insulation piercing probe	CLIP0096
Kit of pin probes	KITS0068
Injector T lead	CABL3025
20:1 attenuator	SUPP0002
KV probe	TRDU0129

# **After Sales Service and Support Helpline**

## **After sales service**

Apart from the routine maintenance and adjustments stipulated in this manual the equipment must not be tampered with in any way. All further servicing must be carried out only by an engineer from an Authorised Agent. Failure to observe these conditions will invalidate the Guarantee.

## **On-Site Service / Overhaul / Spare Parts**

### **UK**

If you require a Service Engineer to attend ON SITE, either due to an equipment fault, or for machine calibration, or if the equipment covered by this manual requires to be sent back for factory overhaul, or if you need spare parts, please contact our Product Support Helpline at the following number.

Tel: +44(0)1278 436225 Fax: +44(0)1278 450567

### **Overseas**

Service abroad is provided by the agent from whom your equipment was purchased.

## **Notes:**

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