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# TDB002 TRANSPONDER TESTER

## OPERATING MANUAL



The Diagnostic **BOX**.com

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# INTRODUCTION

The TDB002 Transponder Tester offers a simple check to ensure a key or remote control has a working transponder fitted and also a fast and easy way to check if the transponder is responding.

It is not always easy to check whether there is a transponder fitted when diagnosing vehicle key and immobiliser problems, and the TDB002 offers a simple cost effective solution, saving time and money.

The TDB002 has a large aperture to allow most keys and remotes to be checked, it gives an indication that DATA is being sent by the transponder and the frequency at which the transponder is communicating by way of an LED and a sounder.

The TDB002 uses 3 AA batteries, normal or rechargeable, making it very cost effective, and will run for a minimum of 20 hours with good quality batteries. It is also fitted with an automatic power off feature to save battery life and a low battery indicator.

- User friendly and portable
- Powered by 3 x AA batteries
- Can be used on ALL makes of vehicle, boat, truck and motorbike keys
- Test 134 kHz Transponders
- Test 125 kHz Transponders
- Tests fixed and crypto Transponders
- Tests remote control Smart keys and normal type key Transponders
- Low cost
- Time saving
- Simple to use
- Carry Case

Transponder Reader

Data Indication

Battery Low Indicator

Frequency Indication

Power Button



Battery Compartment



# GENERAL OPERATION

## INSERTING THE BATTERIES

Remove the rear cover, as shown.



Insert the batteries, ensuring correct polarity.



Replace the rear cover.

## SWITCHING THE UNIT ON

Press the button on the front panel once to turn unit on.



## BATTERY LOW INDICATOR

If the batteries are low, then an LED indicator will be displayed as shown, please recharge or replace the batteries to ensure correct and accurate readings.



Battery Low Indicator

## TRANSPONDER FREQUENCY INDICATORS

When a transponder is detected, the LED indicators will show the frequency that the transponder works with, either 125kHz or 134kHz.



## TRANSPONDER DATA INDICATOR

When a transponder is detected, the LED indicator will show that DATA is being sent between the tester and the transponder, giving an indication that the transponder is working.



## TESTING STANDARD KEYS



NOTE : When testing any key or transponder, it maybe necessary to rotate the key or hold it at different angles, sometimes even flat to get a reading. This is due to the way the transponder is mounted in the key and the way the key is read on the vehicle.

## TESTING SMART KEYS



NOTE : When testing smart keys, cards, and other slot type keys, it maybe necessary to hold the key at different locations near reader. Some keys it can be difficult to know exactly where the transponder is located and which orientation is best. The Renault card is shown below, showing the location of the transponder, other makes will vary.

## TESTING CARDS



## SPECIFICATION

BATTERIES	3 X AA RECHARGEABLE OR NORMAL
WEIGHT	115 Grams
SIZE	84 mm (W) x 140 mm (H) x 29 mm (D)
CURRENT CONSUMPTION	60 mA
FREQUENCY RANGE	125kHz and 134kHz
AUTO POWER OFF	1 Minute



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## CONTACT INFORMATION

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# DECLARATION of CONFORMITY

## DECLARATION OF CONFORMITY

Manufacturer's Name: The Diagnostic Box

Manufacturer's Address: 24 Helmers Way  
Chillington  
Kingsbridge  
Devon  
TQ7 2EZ  
United Kingdom

Product Name: Transponder Tester

Product Model: TDB002

Conforms to: Specifications  
EN 55022:1998, A1: 2000 + A2: 2003  
EN 55024:1998, A1: 2001 + A2: 2003

Following the Provisions of EMC Directive: 89/336/EEC

TDB002 December 2012

Product conforms to class A emission standards

Signed : \_\_\_\_\_

Signed on behalf of The Diagnostic Box

