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TDB004 COUNTER TOP TRANSPONDER KEY TESTER  
OPERATING MANUAL



The Diagnostic **BOX**.com

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# INTRODUCTION

The TDB004 Counter Top Transponder Key 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.

The TDB004 Counter Top Key Transponder Tester offers key shops and other point of sale businesses to show customers that their car, truck or motorcycle key has an electronic transponder located inside the key, which will help the sales of transponder key replacements. The shops and outlets can explain to the customers why there is a need to have a spare key due to the cost of lost key replacement when transponders are involved.

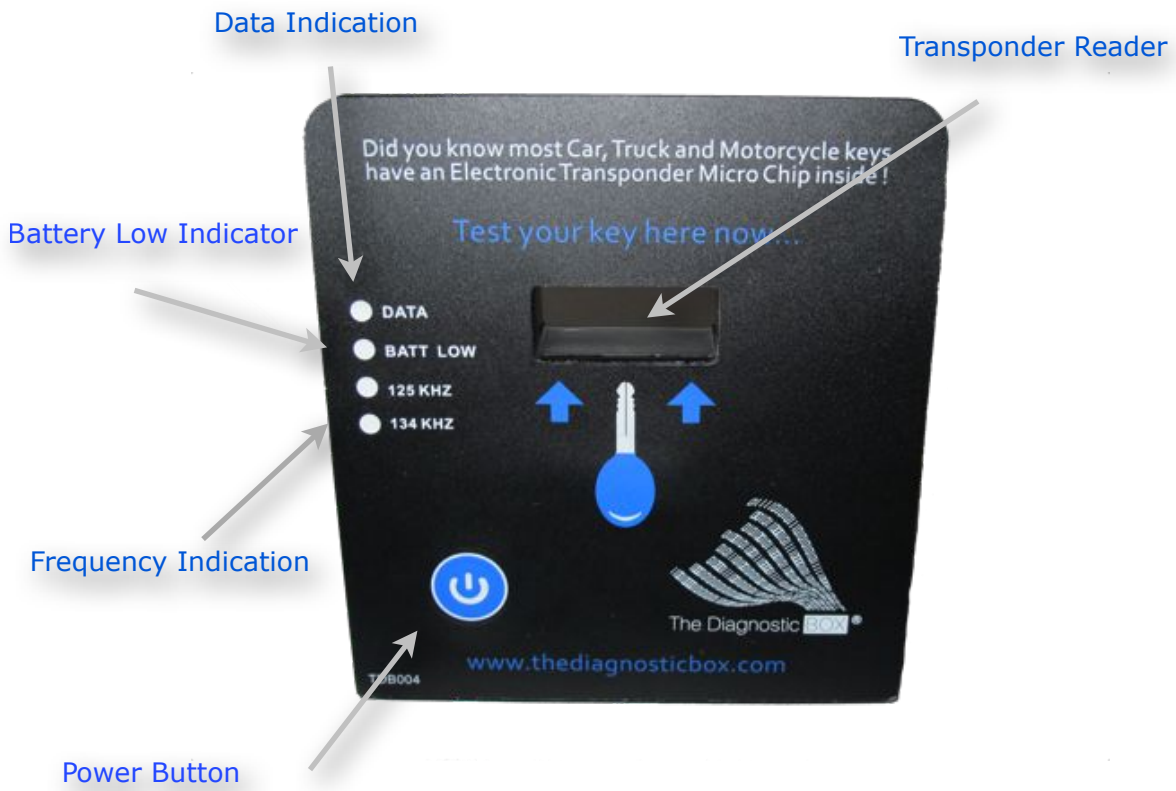
In addition, it is not always easy to check whether there is a transponder fitted when diagnosing vehicle key and immobiliser problems, and the TDB004 offers a simple cost effective solution, saving time and money.

The TDB004 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 LED's and a sounder.

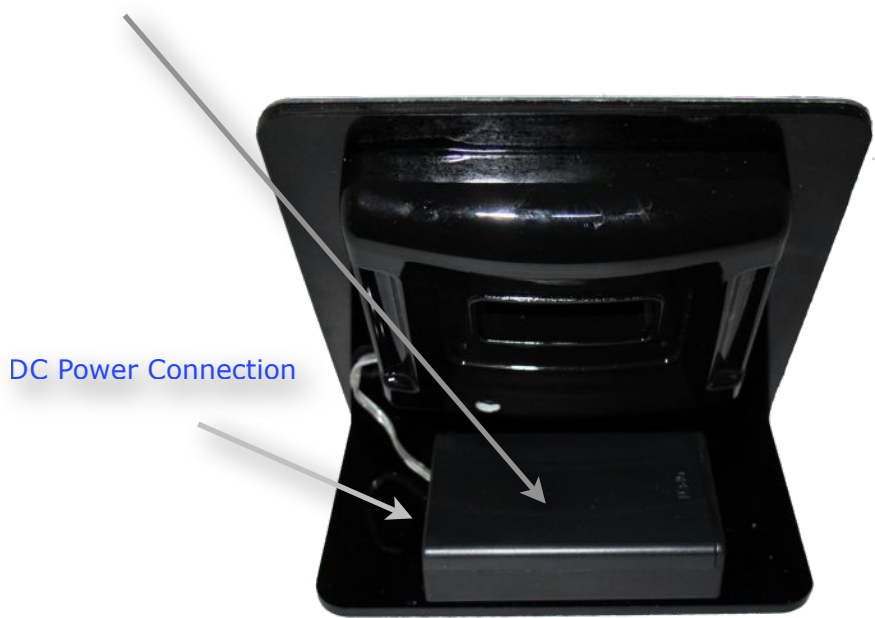
The TDB004 can use a mains 5 volt power supply or 3 AA batteries, normal or rechargeable, making it very cost effective, and will run for a minimum of 20 hours with good quality batteries. It is also fitted with an automatic power off feature to save battery life and a low battery indicator.

The TDB004 front panel can be customised to allow different marketing and sales messages, translations, different graphic requirements, talk to us for more info..

- User friendly and portable
- Powered by 3 x AA batteries or DC mains power supply
- 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
- Low cost
- Time saving
- Simple to use



Battery Compartment



# GENERAL OPERATION

## INSERTING THE BATTERIES

Remove the rear cover, as shown.



Insert the batteries, ensuring correct polarity.



Replace the rear cover.

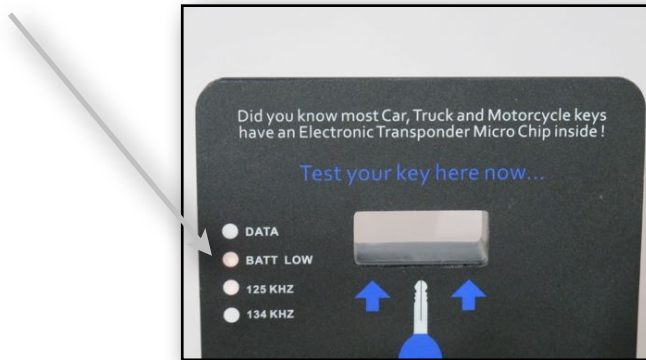
## SWITCHING THE UNIT ON

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



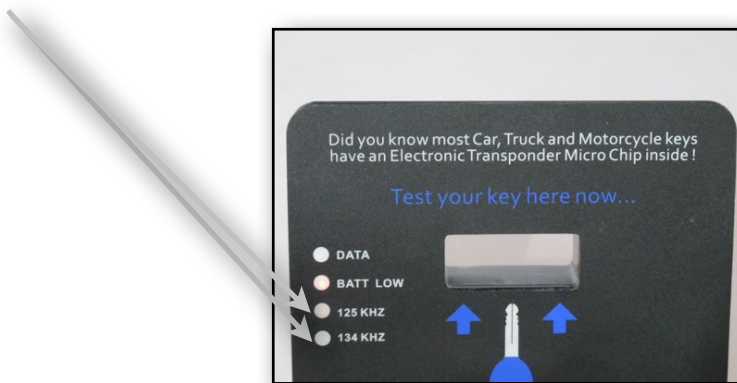
## BATTERY LOW INDICATOR

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.



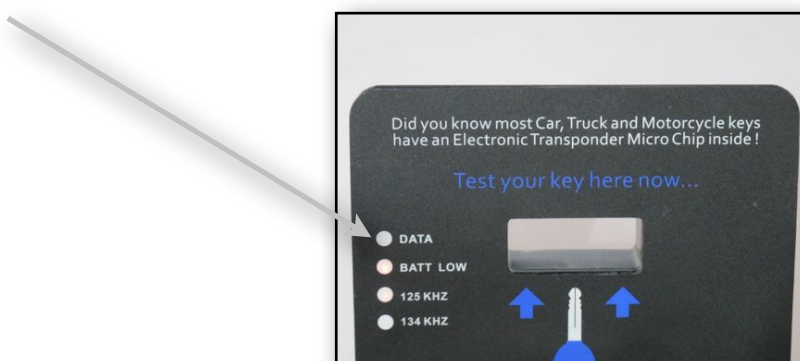
## TRANSPONDER FREQUENCY INDICATORS

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. The TDB004 will also making a chirping sound.



NOTE : Each transponders will sound different, some give very short beep, others will give a long chirping sound. No one sound is correct, it just gives you an indication that data is being sent from the transponder and operating correctly.

## 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.



## USING THE DC POWER CONNECTION

If your unit has a DC power supply (Optional) then you can connect the TDB004 to the mains supply for continuous use if you preferred. Connection is made on the side of the battery compartment.



# SPECIFICATION

BATTERIES	3 X AA RECHARGEABLE OR NORMAL
POWER SUUPLY	5 Volt Switch Mode 500mA
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: Counter Top Transponder Tester

Product Model: TDB004

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

TDB004          December 2012

Product conforms to class A emission standards

Signed : \_Mr G Chambers\_

Signed on behalf of The Diagnostic Box

