
TDB006 TRANSPONDER ANTENNA TESTER

OPERATING MANUAL



The Diagnostic **BOX**.com

CONTENTS

CONTENTS	
INTRODUCTION	PAGE 2
GENERAL OPERATION	PAGE 3
SPECIFICATION	PAGE 7
CONTACT INFORMATION	PAGE 8
DECLARATION OF CONFORMITY	PAGE 9

INTRODUCTION

The TDB006 Antenna Tester is a full featured test device for checking the antenna used on transponder key systems. It has an internal antenna with high gain receiver to pick of the antenna signal, but additionally it has an external antenna wand connection to connect a wafer thin antenna for testing the push start, card slots and smart key types.

The external wand can slide into the key or card reader as well as the key, easily picking up the signal being sent from the vehicle.

When the key or card is inserted, the vehicle sends a signal to the transponder inside the key and the TDB006 will pick up this signal, and identify that the slot key or card reader is functioning correctly.



TDB006
TRANSPONDER
ANTENNA
TESTER

EXTERNAL
ANTENNA WAND



GENERAL OPERATION



ANTENNA

SIGNAL LED

POWER BUTTON SWITCHES
ON DEVICE. DEVICE
AUTOMATICALLY
SWITCHES OFF



EXTERNAL ANTENNA CONNECTION



BATTERY COMPARTMENT

GENERAL OPERATION

INSERTING AND REPLACING THE BATTERIES



PUSH BATTERY COVER IN
DIRECTION OF ARROW

USE 3xAA BATTERIES
NORMAL or
RECHARGEABLE





1. HOLD TDB006 AS CLOSE TO START BUTTON.
2. PRESS THE START STOP TO CHECK THE SIGNAL.
3. THE TDB006 WILL MAKE AN AUDIBLE SOUND AND THE GREEN LED WILL FLASH WHEN A SIGNAL IS RECEIVED.

1. INSERT THE ANTENNA WAND INTO THE KEY SLOT.
2. PUSH IN TO START THE VEHICLE.

NOTE : ON CERTAIN FULL PROX CARS THERE IS NO NEED TO INSERT THE KEY, JUST START THE VEHICLE AND THE TDB006 WILL RECEIVE THE SIGNAL FROM THE ANTENNA.

3. THE TDB006 WILL MAKE AN AUDIBLE SOUND AND THE GREEN LED WILL FLASH WHEN A SIGNAL IS RECEIVED.



SPECIFICATION

OPERATING VOLTAGE	4.5 VOLTS DC
AUTO POWER OFF	2 MINUTES
BATTERIES	3 x AA Alkaline or NiMh rechargeable
OPERATING CURRENT	10mA
WEIGHT	155 Grams
SIZE	84 mm (W) x 140 mm (H) x 29 mm (D)
POWER CONSUMPTION	45mW
FREQUENCY RANGE	125kHz and 134kHz
OPERATING TEMPERATURE RANGE	0 to 50 DEGREES C

CONTACT INFORMATION

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DECLARATION of CONFORMITY

DECLARATION OF CONFORMITY

Manufacturer's Name: The Diagnostic Box

Manufacturer's Address: Unit 13 Torr Trade Park
East Allington, Totnes
Devon
TQ9 7FA
United Kingdom

Product Name: Transponder Antenna Tester

Product Model: TDB006

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

Following the Provisions of EMC Directive: 204/108/EEC

TDB006 December 2025

Product conforms to class A emission standards

Signed : G CHAMBERS

Signed on behalf of The Diagnostic Box

