

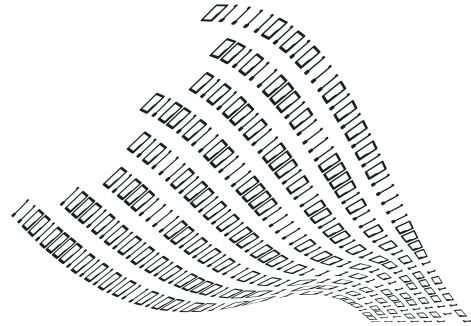
The Diagnostic BOX.com

Advanced Technology for the Marine and Automotive Industry

TDB008

Parking Sensor Tester

www.thediagnosticbox.com



The Diagnostic **BOX**.com

Advanced Technology for the Marine and Automotive Industry



TDB008 Parking Sensor Tester

The TDB008 has been designed to give a visual indication of the output signals of parking sensors using ultrasonic sensors on a range of vehicles.

Many parking sensor systems now fitted to the latest vehicles require the engine running and the car in reverse gear.

In addition to this the vehicles that have a parking assist will shut down if there is a problem and diagnostics of the sensors requires 2 people to check. The TDB008 with its extended pick lead allows a single person to operate the vehicle safely and test the sensors while in the drivers seat.

This makes the TDB008 both a time saving product, but also ensures the system can be tested safely and easily by the workshop technician. The internal wide frequency range microphone covers the typical ultrasonic automotive range of 34.8 KHz to 68 KHz. The LCD screen can show the signal as a pulse, an average value in either graph form or as a bar graph or a waveform.

The TDB008 also has the facility to display the operating frequency of the ultrasonic sensor together with its signal strength. The Quick Test also provides a way to check all the sensors together, and compare the results to ensure they are all operating within their normal specifications.

Powered by 4 AAA cells the TDB008 has an operational time of over 20 hours of use, and it also includes a low battery warning and programmable auto switch off time.

TDB008 Specification

Operating voltage	6 volts nominal
Operating current	50 mA average
Power consumption	300 mW
Detection range (frequency)	30KHz to 70KHz
Microphone range	10Hz to >80KHz
Oscilloscope Pulse mode	25uS/div
Peak Scan Scan time (Full screen)	2 seconds
Battery type	4 x AAA cells Alkaline or NiMH rechargeable
Battery life	20 hours (based on 1000mA/h Alkaline)
Display	128 x 64 dot matrix with back light
Temp range	0 to 50 °C IP rating IP61
Size	170mm x 90mm x 40mm

FEATURES

- Internal wide range microphone
- External remote microphone pick up
- Group test of up to 8 sensors
- Sensitivity adjustment
- Signal detection as:
 - Oscilloscope Pulse
 - Peak scan
 - Bar Graph
 - Frequency analyser
- Battery level Visual indicator and audible low battery warning
- Audible tone for detecting ultrasonic signal (user selectable /programmable)
- Auto Power OFF User programmable for 5, 10,15 mins or none
- Adjustable screen contrast