

OTC

CAN TEST BOX

Continuous numeric display of voltage

BREAK OUT THE BOX

Connect, Detect, Monitor Voltage and more.



Use this tool for diagnosing electrical faults and CAN bus line activity. Check power and ground circuits, check active protocol lines, or connect a multimeter or oscilloscope for detailed signal analysis.

BREAKOUT BOX AND PROTOCOL DETECTOR

- ✓ Connects between Diagnostic Link Connector (DLC) and scan tool
- ✓ Detects data and protocol communication
- ✓ Monitors system voltage – Display and high/low alarm
- ✓ Connect leads for increased diagnosis, analysis, and monitoring

USEFUL FUNCTIONS

- ✓ Verify ECU activity
 - LEDs at pin-out display signal detection, Flashing LEDs for ECU activity
- ✓ Monitoring of OBDII data lines
- ✓ Probe lines with scope or multimeter for detailed signal information
- ✓ Check & monitor battery voltage
 - Continuous numeric display or voltage
 - Alarm warning when voltage drops below 11.6v or rises above 15.2v





CAN TEST BOX

Reference Information

Pin Assignments	LED Light Indication
Pin # SAE Designation	
1 – OEM Discretionary	Yellow LED; Flashes with active signal
2 – Bus + Line of SAE J1850 (PWM/VPW)	Blue LED; Flash with serial data voltage pulses
3 – OEM Discretionary	Yellow LED; Flashes with active signal
4 – Chassis Ground	Green LED; On when plugged into DLC; Dim light indicates problem
5 – Signal Ground	Green LED; On when plugged into DLC; Dim light indicates problem
6 – CAN High of SAE J2284 (ISO 15765-4)	Blue LED; Flash with serial data voltage pulses
7 – K Line (ISO 9141-2 and ISO 14230-4)	Blue LED; Flash with serial data voltage pulses
8 – OEM Discretionary	Yellow LED; Flashes with active signal
9 – OEM Discretionary	Yellow LED; Flashes with active signal
10 – Bus-Line of SAE J1850(PWM)	Blue LED; Flash with serial data voltage pulses
11 – OEM Discretionary	Yellow LED; Flashes with active signal
12 – OEM Discretionary	Yellow LED; Flashes with active signal
13 – OEM Discretionary	Yellow LED; Flashes with active signal
14 – CAN Low of SAE J2284 (ISO 15765-4)	Blue LED; Flash with serial data voltage pulses
15 – L Line (ISO 9141-2 and ISO 14230-4)	Blue LED; Flash with serial data voltage pulses
16 – Battery Power	Red LED; On when plugged into DLC; Turns dim when: <ul style="list-style-type: none"> - Low battery voltage (Alarm will also sound) - Wiring to DLC pin 16 is faulty - Faulty ground circuit

ELECTRICAL SPECIFICATIONS

Operating range:	7.0–20.0 VDC input
Maximum load:	Up to 5.0 amp output
Overload protection:	Yes; PTC fuse (self-healing)
Monitoring voltages:	Below 11.6V beeper ON; higher than 15.2 V beeper ON
Volt displays:	3-digit LED (resolution: 0.1 V)
Banana sockets:	16 outputs × 4.0 mm diameter with LED lamp indications
Protocols detected:	PWM (J1850), VPW (J1850), ISO 9141-2, DIS/ISO 14230-4, CAN bus (J-2284)

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