



# INSPECTOR 920

**ROLL STABILITY DIAGNOSTICS  
RSS, TRS, ADVANCED**

**Another FIRST from LITE-CHECK  
for ABS SOLUTIONS**

The Advanced ABS diagnostics trailer tester with brake and light testing takes out the guesswork of trailer repairs.

This next generation trailer tester is easy to use by every technician within a fraction of time with clear accurate digital messages. The LITE-CHECK **3-Step ABS Process** will cut ABS troubleshooting time in determining ABS problems.

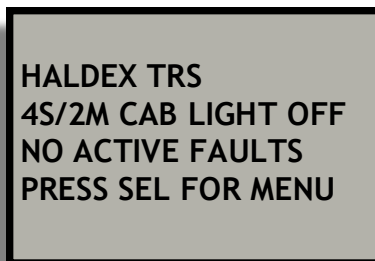
The **INSPECTOR 920** includes all of the PLC ABS codes dating from 2001 and with the latest Roll Stability codes eliminating multiple operations and tools in one simple process. The tester automatically identifies the ABS ECU issues and displays the necessary information to make repairs.



The **INSPECTOR 920** will simplify your trailer inspections with a 4 minute walk around to check lights, brakes, and ABS operation using the LITE-CHECK **Full Function Remote Control**.

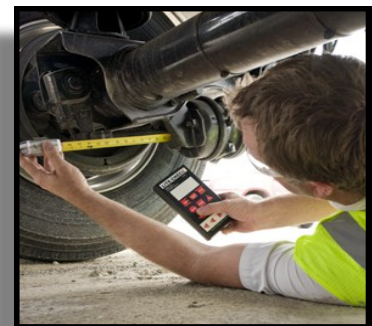
Check out the **INSPECTOR 920** complete trailer tester incorporating TMC recommended practices and Federal vehicle requirements to meet your CSA requirements.

ABS Display Sample



Trailer ABS Solutions

Full Function Remote Control



**One Tool, One Person, One Process. LITE CHECK.**

LITE CHECK, LLC.  
3102 E. Trent Avenue  
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# INSPECTOR 920



## **SAFEGUARDS: Firmware embedded**

- Reversed polarity protection
- Shut down with high amperage and low voltage
- Anti-compound prevention locks out service air until emergency air is applied

## **TRAILER ABS/PLC OPERATION FOR ROLL STABILITY SYSTEMS**

- Automatic ECU identification and display of PLC fault codes after 2001
  - \* BENDIX, HALDEX, MERITOR-WABCO, WABASH
- Read configuration, current & stored faults, ECU voltage, trip odometer
- Intelligent messages on new 4 line display
- 3-Step ABS Process
- Download upgrades online from LITE-CHECK

## **TRAILER ELECTRICAL OPERATION (with remote control)**

- Display circuit voltage and amperage with condition
- Automatic fault alarm for circuit faults
- Verify lamp operation with full function remote control operation

## **TRAILER AIR BRAKE OPERATION (with remote control)**

- Regulated emergency air application (incoming air supply normally set at 120 psi)
- Regulated service air application (internal air set at 95 psi)
- Air system leak down test

## **TRACTOR OPERATION**

- Display tractor electrical pin output voltage
- Perform TMC Recommended Practice 137 (tractor output voltage)
- Operate truck service brakes with brake actuator and remote control

## **VEHICLE CABLE TEST**

- Automatic displays PASS or FAIL
- Identifies crossed-wires, shorts, and opens

## **REQUIREMENTS**

- Power: 12vdc battery or LITE-CHECK POWER SUPPLY 311R (no battery charger)
- Air: regulated filtered shop or truck compressed air supply of 120 psi

## **UPGRADES**

- Available as a download from LITE-CHECK on line

## **ACCESSORIES**

- Complete packages for shop and mobile operation (see at [www.lite-check.com](http://www.lite-check.com))

**WARRANTY:** One year limited parts and labor. Repairs and service performed at LITE-CHECK, Spokane, Washington.

# ABS DIAGNOSTICS AND TROUBLESHOOTING

The INSPECTOR 920 has ABS code software installed for a simple 'ONE BUTTON ABS'. The INSPECTOR 920 is the advanced ABS Roll Stability solution for reading the additional information necessary for repairs.

There are four buttons to navigate the ABS information acquired from the trailer ECU.

**ABS/BACK**- identifies ABS type, initiates the **3step ABS**, displays ABS condition, & backs out of a routine

**SELECT/HELP**- opens up the screen for additional information

**DOWN** – scrolls down the menu

**UP** – scrolls up the menu

The **LITE-CHECK 3step ABS PROCESS** automatically tests the brake and auxiliary circuit for problems before querying the ECU. The process will stop if the circuits do not show a pass. The trailer ABS lamp should illuminate with each circuit - check lamp and connections if not operating and circuits pass.

**Test Brake Circuit** for correct operation to provide secondary ECU power and operation.

**Test Auxiliary Circuit** for correct operation to provide primary ECU power and operation.

The MENU SCREENS allow investigation by scrolling and selecting.

- **VIEW ACTIVE FAULTS**
- **VIEW STORED FAULTs**
- **CLEAR FAULTS**
- **MILEAGE stored in ECU**
- **ECU VOLTAGE**
- **MFG/CONFIRGURATION**
- **SERIAL NUMBER (ECU)** if the ECU has been loaded
- **SPECIAL FUNCTIONS** such as wheel speed only if ECU supports

NOTE: If the INSPECTOR 920 does not support a particular ECU, the tester display will read "NOT SUPPORTED AT THIS TIME" or "UNABLE TO DETERMINE ECU TYPE".

As the ABS manufacturers continually make software changes and provide information to LITE-CHECK, we will make software changes available to the INSPECTOR 920 user. The revised software will be transmitted by internet for the user to download on the tester. Call LITE-CHECK for more information.

All information and help/repair guidance screen directions were obtained from each of the ABS OEM's. The LITE-CHECK process conforms to standard ABS diagnostic procedures.

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# INSPECTOR 920 ACCESSORIES

**MODEL 300K SHOP KIT** - complete kit includes a knock down 4 wheeled cart with air lines, a 7w cable, and an air filter regulator with necessary hardware for an easy set-up for the shop.

The **Inspector 920 tester** is sold separately—see top shelf of cart picture on right. The **311R Power Supply**, as pictured on the bottom shelf of the cart, is also sold separately (see description below).

**301M SERVICE TRUCK KIT** –includes 20ft air lines, 20ft 7w cable, and air filter regulator for the service truck.

**MODEL 302A SHOP ACCESSORY PACKAGE**- includes 8ft air lines, 8ft 7w cable, and air filter regulator to help you for an easy set-up.

**311R POWER SUPPLY**- provides regulated filtered 12vdc 20amp power to the tester from your shop 110vac. Protects the trailer electronics including LED lighting and ABS.

**330A PEDAL ACTUATOR** – simple installation on the truck brake pedal against the steering wheel and powered by the brake service air from the INSPECTOR 920. One person can operate, inspect and adjust the truck's brakes with remote control.

**FIELD TRAINING PROGRAM** – call LITE-CHECK for details.



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