

AUTOMOTIVE ELECTRONIC TESTERS AND TOOLS

LH9102 LAMBDA SENSORS TESTER

The lambda sensor diagnostic unit enables all current types of lambda sensors to be checked: zirconia (0-1V, both the normal ones and the new "lean burn" type) and titania (0-1V and 0-5V). It is able to simulate the lambda sensor signal in order to verify the ECU response.

It permits the operator to both verify and identify the sensor connection (power supply, chassis earth, signal, and heater etc). It is fully protected against all types of incorrect connections and handling.

It has been designed to be very simple to use with respect to users with very little experience with the operation of this type of sensor.



LH9135 BRAKE FLUID TESTERS

The LH9135 is a digital brake fluid tester with leds, powered by a type 6F22 9v battery.

Their main features are: inexpensive and easy to use.

Designed to work with any kind or brand of brake fluid tester based in glycol.

Readings are made over a 10 leds scale (light emitting diodes), which allows a high resolution measuring.

The purpose of this tester is to determine whether the amount of water absorbed by the brake fluid is excessive or not. When the brakes are submitted to stress their temperature raises, and this may cause water vapour bubbles forming in the hydraulic circuit causing brake fading.



LH9105 SERVICE RESET TOOL FOR BMW

Based in microprocessor.
With both styles of connector for all models up to September 2001.
Has an integrated voltage regulator which allows the tool to work even with the car's battery very low (over 8 volts).
Designed to avoid a wrong use, if the user push any button by mistake, nothing happens, the program includes a delay that forces to keep the button pressed at least two seconds before it's taken as a valid push.



LH9110 VOLTMETER - AMMETER

- Voltage CC/CA: 600 V
- Intensity CC/CA: 1000 A
- Resistance: 2 Kohms
- DATA-HOLD
- PEAK-HOLD
- AUTO-RANGE
- LCD: 3 1/2 digits
- Max conductor size 40 mm
- Power Supply: 1 battery 9V 6F22
- Meet norms: CE, IEC 1010, CAT III and design ER 60



LH9150 7 pole 12V DIN/ISO 1724



Very useful for electrical garages, Inspection Stations, towbars installators and agricultural machinery garages. Useful too for DIY.
Allows testing of correct electrical connection after installation.

LH9152 7 pole 24V (24N) DIN/ISO 1185



LH9153 7 pole 24V (24S) DIN/ISO 3731



LH9154 13 pole 12V DIN/ISO 11446



LH9157 13 pole 12V DIN/ISO 11446 WIHT SIMULATION



LH9157/A
ADAPTER 7 to 13 pole 12V



LH9155/A
ADAPTER 15 to 2x7 pole 24V



ELECTRONIC SURGE PROTECTORS

- LH9170-12V**
- LH9171-24V**
- LH9172-12/24V**

The electronic surge protectors from LH have been developed to protect the car's electronic equipment against the electric surges, like the ones generated during welding on the car's body, the battery's charge or the starting aid with an external battery .



THE ELECTRONIC SURGE PROTECTORS MUST BE CONNECTED BEFORE PERFORMING ANY OF THE FOLLOWING OPERATIONS OVER THE VEHICLE:

- Welding on the vehicle's body
- Battery's charge
- Starting aid with an external battery

LH9175 GLOW PLUGS TESTER



The instrument allows to verify in a easy and fast way the right working of glow plugs with 12V supply in diesel engines, taking as reference the current consumption of glow plugs.

Completely protected against connection errors.

Includes 7 indicators (LED type): low battery, reverse polarity, open circuit, short circuit, current consumption too high or too low and glow plug ok.

LH9185 COIL TESTER

The instrument allows to verify in a easy and fast way the right working of ignition coils. The functioning is based on the evaluation of the electromagnetic waves generated by all kind of vehicle ignition coil during its normal working.

Results visualisation on 2 high visibility LEDs: "no signal" (that indicates electromagnetic waves absence) and "OK", meaning that the tester has detected electromagnetic waves (like the ones generated by ignition coils).



LH9180 12V MEMORY SAVER



The LH9180 has been developed to save the cars' electronic powered memories, avoiding the inconveniences produced by the erase of them during replacement of the battery or repair. Practical and easy to use. You only need to connect the LH9180 to the car's cigarette plug and to an external battery. The

LH9180 assures with a light indicator that onnections are ok before disconnecting the battery of the car.