

The **EXXOTEST®** DT-M002 model is a teaching support that allows observation and understanding of the position sensors functioning.

OBJECTIVES

- Analyze the position sensors functioning.
- Identification the signals emitted by the sensors origin.
- The circuit diagram reading and comprehension.
- Utilization one of suitable tools to measure the signals

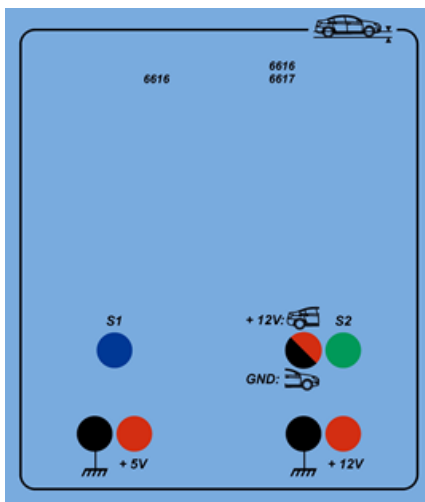


DESIGN

This module consists of:

- Two sensors of the vehicle body's height (one analogue and one digital);
- Pedal position sensor;
- Switch of the bi-function brake.

Front panel details

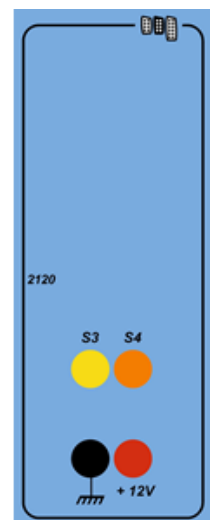


Sensors of the vehicle body's height:

- S1 - analogue signal
- S2 - digital signal
- Black \ Red output - position sensor
- Black and red outputs - power sensors

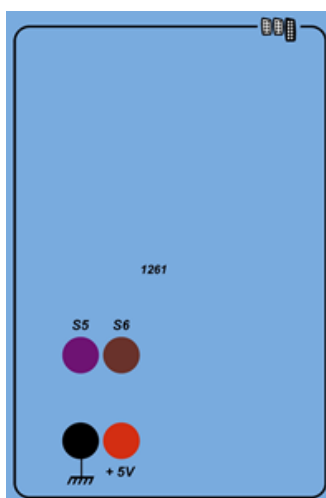
Switch of the bi-function brake

- S3 - analogue signal
- S4 - digital signal
- Black and red outputs - power sensors

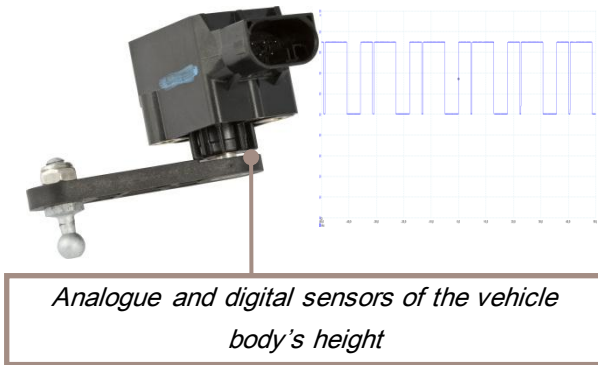


The accelerator pedal position's sensor:

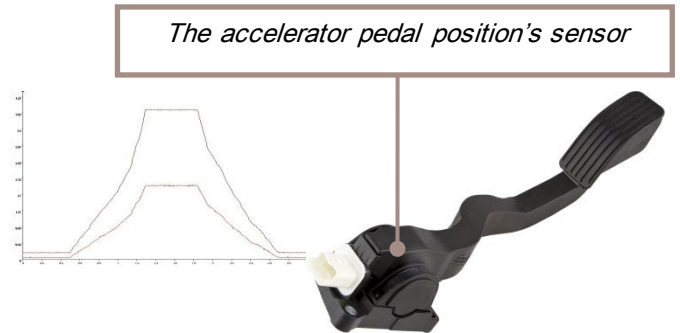
- S5 – signal circuit 1
- S6 –signal circuit 2
- Black and red outputs - power sensors



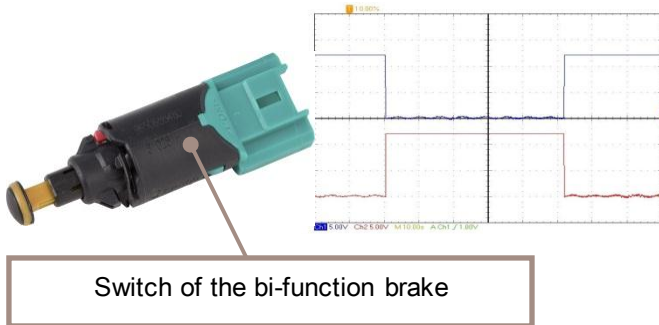
Real elements:



- One power output for the sensors (+5v, +12v and GND)



- One output for tension measuring



- The direct measuring on the sensor for an ohm value

ACCESSORIES

This module may be associated with the **USB-MUX-4C4L** that allows interfacing between PC type computer (or Pocket PC) and communication networks as CAN HS, LS/FT, Single Wire and LIN/ISO9141 through a USB or Ethernet link. Channels available:

- 4 CAN high speed channels (ISO 11898) standard or CAN low speed – fault tolerant or CAN single wire to be configured by software.
- 4 LIN master or slave channels or ISO9141 (K) to be configured by software.
- 12 analog or digital 0-32V inputs.
- 4 ISO9141 (L) or digital outputs, 6 digital/PWM outputs.

OTHER

- Delivered with:
 - use and teaching instruction book,
 - banana plug cable assemblies according to the module needs,
 - 12V and / or 5V power supply according to the module's needs,
 - AL841B – the 12V 1 A stabilised alimentation.
- Power supply: 220/110Vac – 50/60Hz.
- Size: 600 X 400 X 300 mm (transportation box).
- Gross weight : 6 Kg (ready to ship).
- Net weight: 5 Kg.

Find all **EXXOTEST**® products on the Internet: www.exxotest.com