The **EXXOTEST**® **DT-M004** model is a teaching support that allows observing and understanding the functioning of the different air sensor. This information is essential for the calculation of the fuel injection amount.

OBJECTIVES

- Analyze the air characteristics sensors functioning.
- Learn to wire and apply a system for measuring physical values.
- Identification of the signals emitted by the sensors.
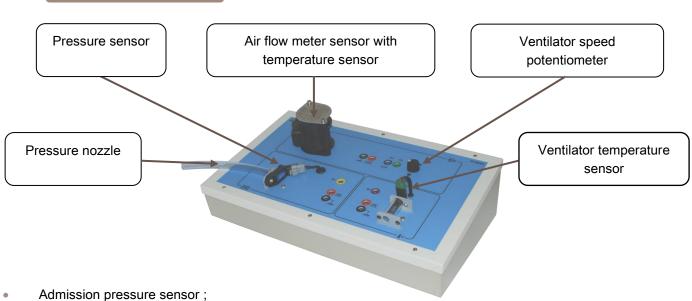- The circuit diagram reading and comprehension.

DESIGN

The **EXXOTEST**® **DT-M004** based on a metal structure and uses the real sensors. The teaching module is equipped with the specific outputs for each sensor. The **DT-M004** consists of:

- Air temperature sensor;
- Air pressure sensor;
- Air flow meter sensor.

SPECIFICATIONS

Pressure sensor

Air flow meter sensor with temperature sensor

Ventilator speed potentiometer

Pressure nozzle

Ventilator temperature sensor

- Admission pressure sensor ;
- Air temperature sensor ;
- Moto-ventilator with a variable speed ;
- Air flow meter sensor with information about air temperature and variable frequency;
- Nozzle that putting the atmospheric pressure sensor on Pressure/Vacuum ;
- All the points of the measuring are easy accessible that allows using of a multimeter or oscilloscope for measuring.

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 :   10 Kg (ready to ship).
- Net weight: 9 Kg.