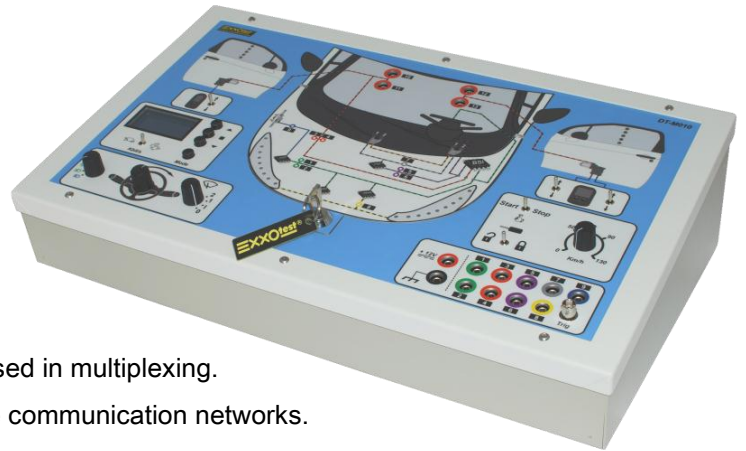


The **EXXOTEST®** DT-M010 model is a teaching support that allows observation and understanding of the multiplexed communication networks functioning.

### OBJECTIVES

- Identify the multiplexed communication network used by simulated sensors and study CAN High Speed – CAN Low Speed - LIN communication protocols.
- Diagnose communication networks.
- Understanding the different network technologies used in multiplexing.
- Analyze the nature of information exchanged on the communication networks.



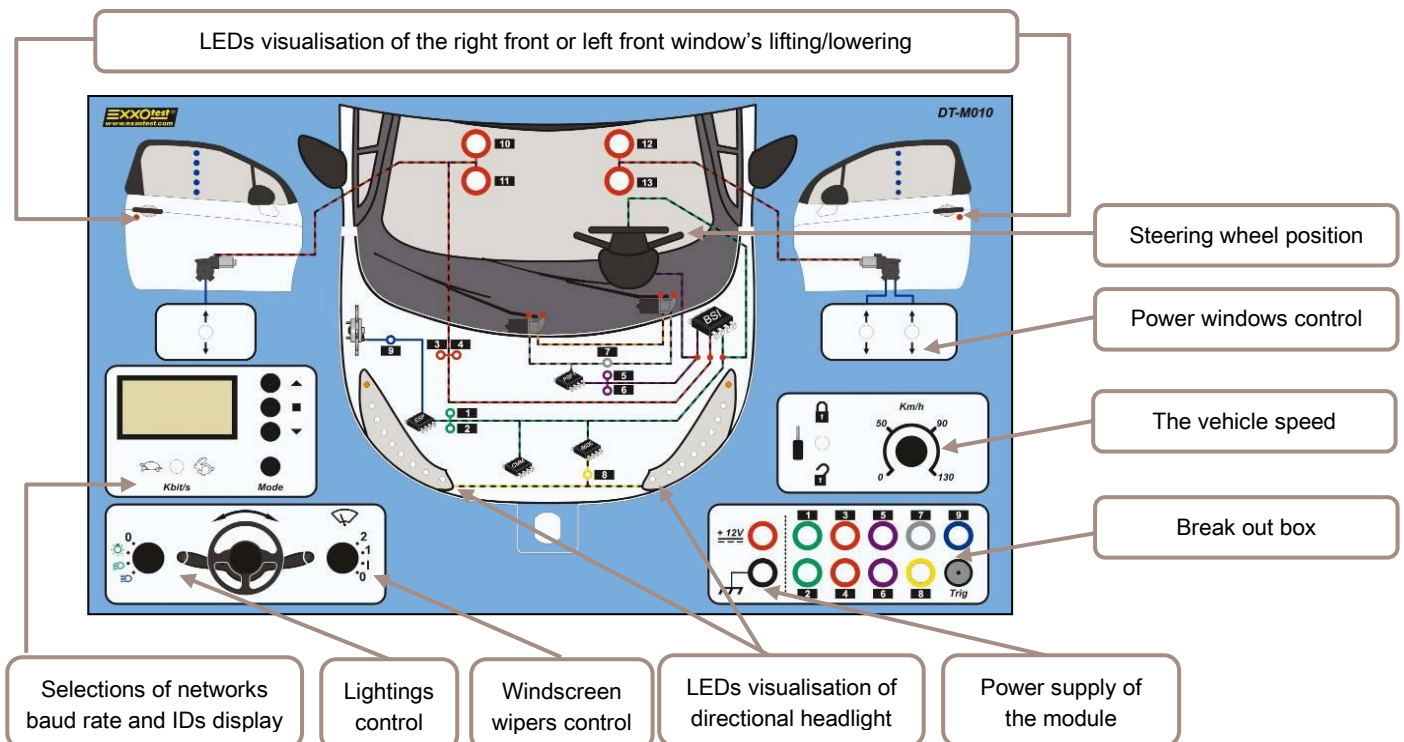
### DESIGN

The teaching module is equipped with an integrated “break-out” box accessible by the teacher through a locked compartment. Every multiplexed communication networks are associated to a fuse and accessible on this “break-out” box placed on the front panel.

The **EXXOTEST®** DT-M010 consists of:



- Windows electrical motors;
- Windscreen wipers;
- Direction headlight.

The real analogue signals from steering angle sensor, windscreen wipers control, and wheel speed sensors can be measured through the sockets.



#### The five communication networks to be accessed:

- 1 CAN High Speed "Inter-system", 500 Kbits/s;
- 1 CAN Low Speed "Body", 125 Kbits/s;
- 1 CAN Low Speed "Comfort", 125 Kbits/s;
- 1 LIN "Windscreen wipers", 19200 bits/s
- 1 LIN "Directional headlights", 19200 bits/s

Network	Real mode 	Slow mode 
CAN High Speed "Inter-system"	500 Kbits/s	12 Kbits/s
CAN Low Speed	125 Kbits/s	
LIN	19,2 Kbits/s	2,44 Kbits/s

The networks baud rate can be adjusted from "real" to "idle" (this adapting to all scopes having a band with mode or slow mode (adapted to any oscilloscope having a bandwidth exceeding 10 MHz) for frames visualization and decoding.

## 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 : 6,5 Kg (ready to ship).
- Net weight: 5,5 Kg.

Find all **EXXOTEST**® products on the Internet: [www.exxotest.com](http://www.exxotest.com)