

The **EXXOTEST® DT-M003** model is teaching supports that allows studying and measures of the wheel speed sensor.

Since the first generation of ABS with inductive sensors and target on the universal joint, the wheels' speed acquisition continues to evolve. Today, the sensor is directly integrated in the rolling bearing. This solution provides good reliability, a perfect seal and finesse measurement.

### OBJECTIVES

- Analyze and understand the wheel speed sensor functioning.
- Learn how to measure the signals of sensor and study its trace.
- Get to know the diagnostic of the systems using this sensor.



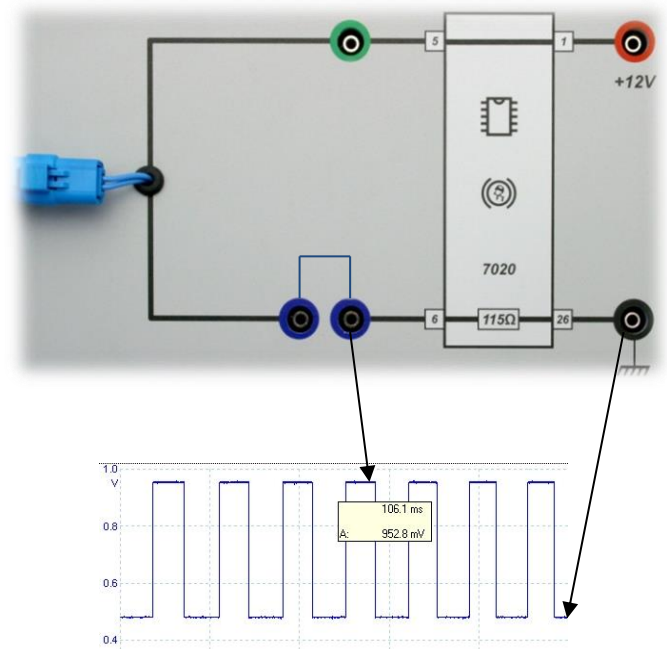
### DESIGN

The **EXXOTEST® DT-M003** teaching module uses the real automotive wheel bearings with integrated magnetic target and magneto resistive sensor. This sensor provides the information about the front wheels deviation angle to the ESC computer. The data are sent by the High Speed CAN bus (500 Kbit / s).

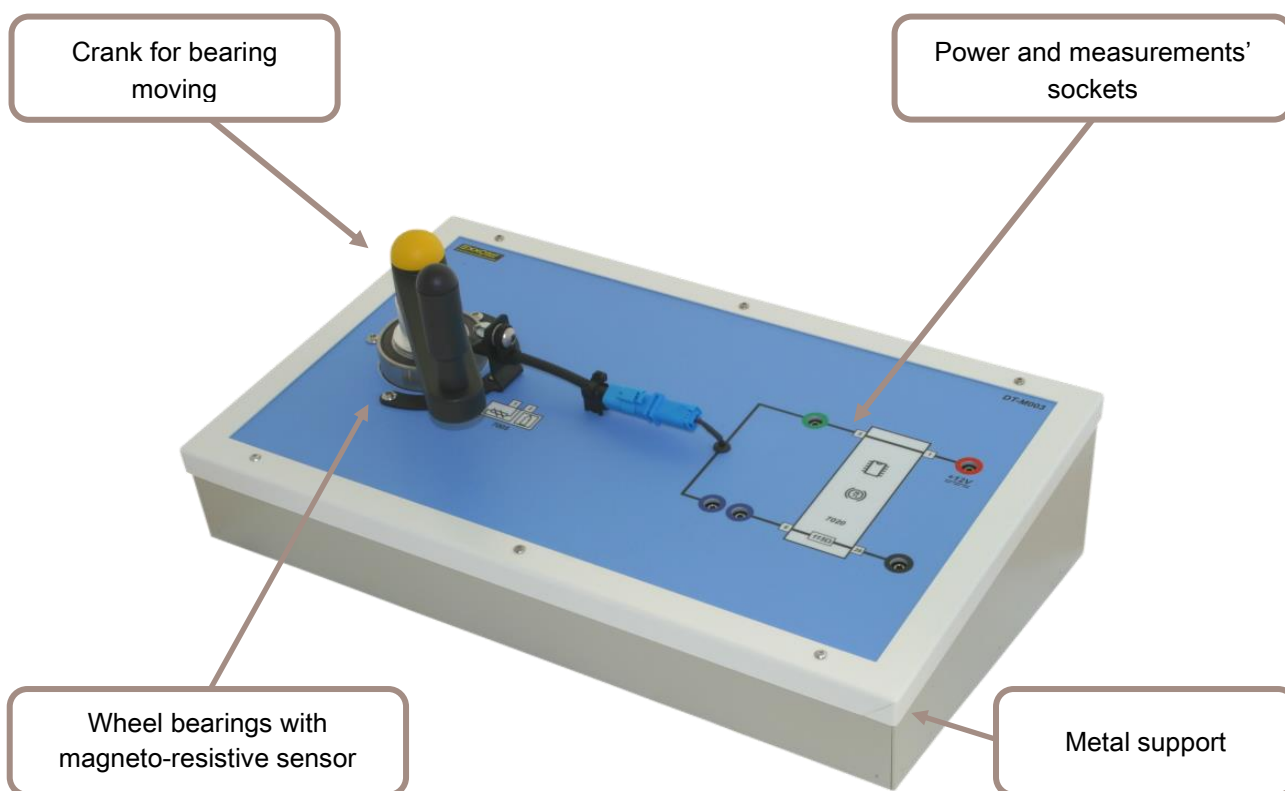
Exemple de TP:



Exemple de câblage et de mesure :



In real car the signal of the magneto-resistive sensor is an analog signal transmitted to the ABS / ESP. For the **DT-M003** model this calculator is schematically represented on the front panel and disposes few terminals through which you can measure the signal.



## OTHER

- Delivered with:
  - use and teaching instruction book,
  - 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 : 4,6 Kg (ready to ship).
- Net weight: 5,6 Kg.

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