

MRE Trainer

Learn the operation and diagnosis of faults in the three most common speed sensors.

14025080

Discovery



Equals



Achievement

This blended e-learning and mechanical trainer package introduces the learner to common speed sensor operation and diagnostics.

The self-paced online lessons combine photo-realistic visuals, including a virtual oscilloscope, text, and questions to guide learners in identifying and understanding resistors, signals, modulation. Practical assignments are included for use of the MRE mechanical trainer.

The MRE mechanical trainer consists of a magnetic ring and three MRE sensors, as found in typical motor vehicles today. Learners will take measurements

of generated signals and interpret deviations to practice making diagnosis of faults.



ELECTUDE

www.electude.com

MRE TRAINER

14025080

Through the preliminary theory and practical assignments the student learns:

- To identify the structure of an MRE wheel sensor.
- To identify the structure of the wheel bearing.
- To explain the operation of the various MRE wheel sensors.
- To perform measurements on an MRE wheel sensor and analyze the results.
- To diagnose the MRE wheel sensor

E-LEARNING COURSE OVERVIEW

Preliminary theory with MRE Trainer (advanced)*

- Magnetic dependent resistor
- Signals
- Frequency Modulation
- Pulse Width Modulation
- ESP: Wheel Speed Sensors MRE

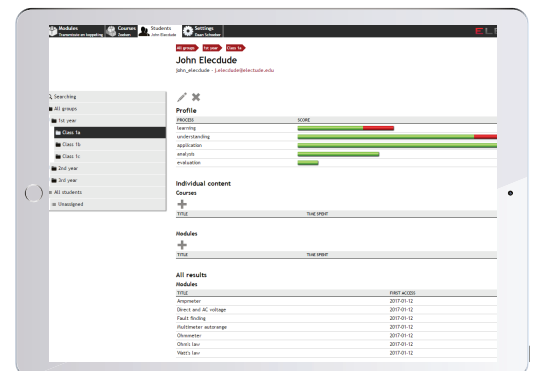
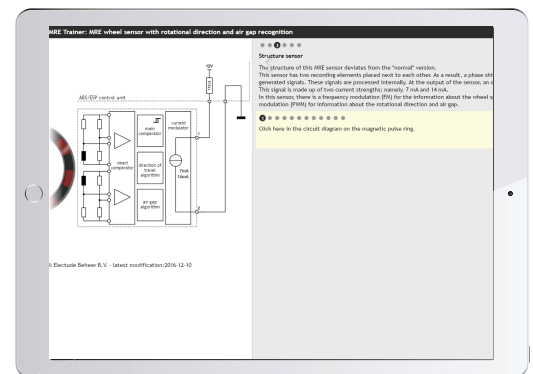
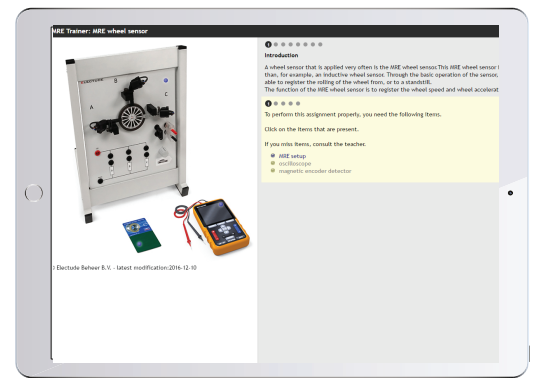
Practical assignments for MRE Trainer (advanced)

- MRE Trainer: MRE wheel sensor
- MRE Trainer: MRE wheel sensor with rotational direction and air gap recognition
- MRE Trainer: MRE wheel sensor with encoded signal
- MRE Trainer: Teacher's guide

Duration

- Preliminary theory with MRE Trainer (advanced) - 90 min
- Practical assignments for MRE Trainer (advanced) - 295 min

*Separate license may apply for the Preliminary theory.



All product specifications are subject to change without prior notice.