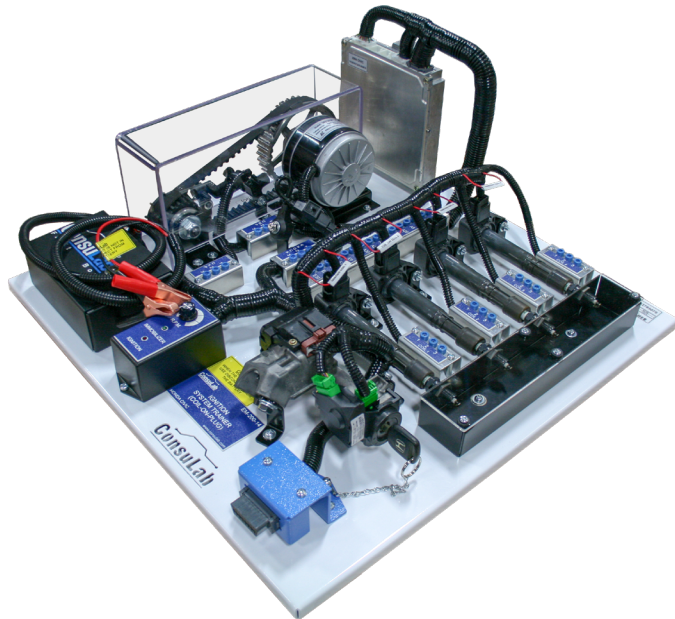


COIL-ON-PLUG IGNITION SYSTEM TRAINER



The ConsuLab EM-200-14 trainer allows for the demonstration of a complete ignition system with real-world components using COP technology. Terminal block receptacles are provided for diagnostic test points. A 12V source is required to operate the trainer.

EDUCATIONAL ADVANTAGES

- Ability to visualize the operation of a direct ignition system using coil-on-plug ignition technology.
- Ability to test and verify a basic ignition circuit without distributor.
- Four operational faults can be inserted to promote student diagnostic troubleshooting competencies.
- Includes wiring schematics.

INCLUDED COMPONENTS

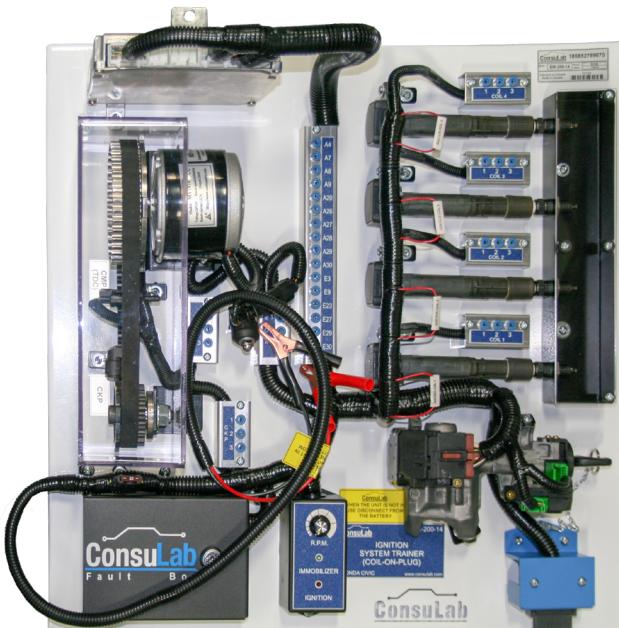
- Engine Control Module (ECM)
- Crankshaft position (CKP) sensor and camshaft position (CMP) sensor
- Electric motor driven crankshaft and/or camshaft sprockets
- OBDII data link connector
- Ignition coils
- Spark plugs and plug wires
- Fault box with 4 faults
- Test points for diagnosis

APPLICATION

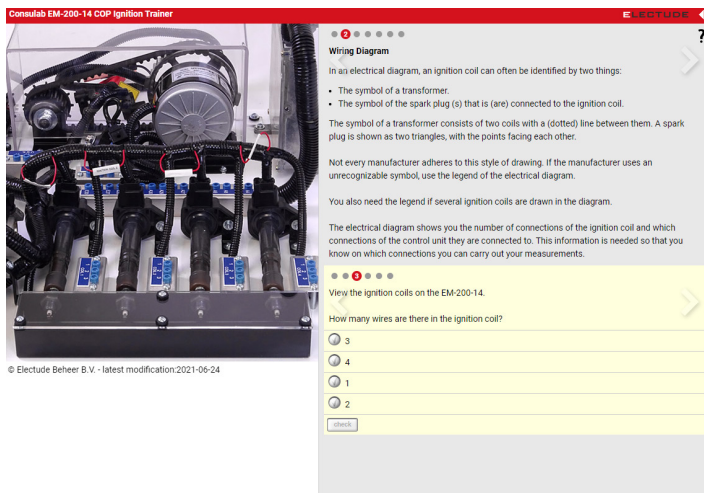
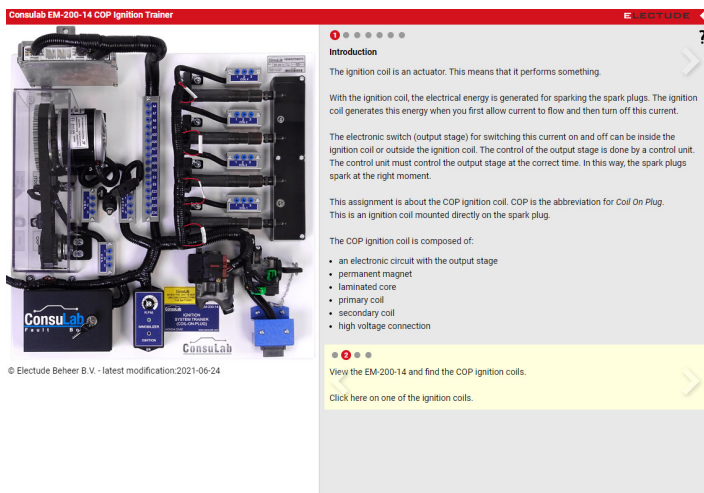
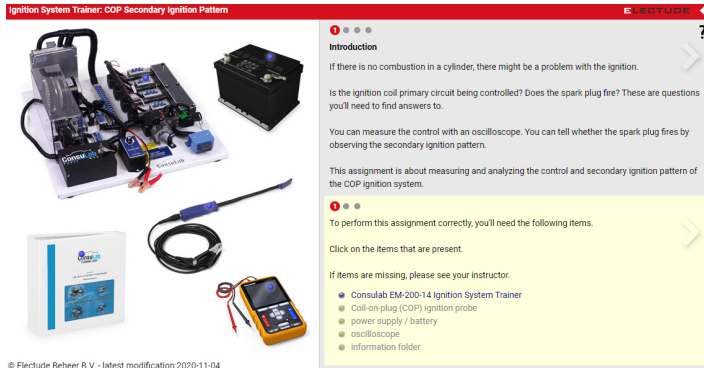
- Honda Civic 1.7L 2000+

PHYSICAL SPECIFICATIONS

- **Dimensions:** 22 x 22 x 13 in (55.9 x 55.9 x 33 cm)
- **Weight:** 35 lb (15.9 kg) with packaging



COIL-ON-PLUG IGNITION SYSTEM TRAINER



ELECTUDE

THE CONSULAB EM-200-14 COIL-ON-PLUG IGNITION SYSTEM TRAINER IS NOW AVAILABLE WITH ELECTUDE COURSEWARE (SOLD SEPARATELY).

The Electude Ignition System Trainer courseware consists of a practical set-up and the associated E-learning. This practical set-up allows the participant to supplement previously acquired knowledge of the sensors and actuators of the ignition system with practical skills. The practical set-up consists of a Coil On Plug (COP) ignition system with associated sensors and actuators. In addition, the set-up is equipped with four failures that can be switched on and off using switches.

This practical gives you - in combination with the preparatory theory - more insight into the structure and operation of a Coil On Plug (COP) ignition system. Step by step you perform measurements on various sensors and actuators of this system. You then analyse the measured results to gain more insight into how these components work.

Through the preparatory theory and practical assignments, the participant learns:

- How to handle the multimeter, oscilloscope, current clamp and COP signal probe.
- To read electrical diagrams.
- How the sensors and actuators of the COP ignition system work.
- How the sensors and actuators of the COP ignition system are checked with a multimeter, oscilloscope, current clamp and COP signal probe.
- How to apply a diagnostic tester when checking the COP ignition system.
- To analyse and draw conclusions from measured values (multimeter, oscilloscope and live data).
- To apply a diagnostic strategy in the detection of errors in the COP ignition system.

Includes 11 practical assignment modules for a total of 9 hours of instruction.