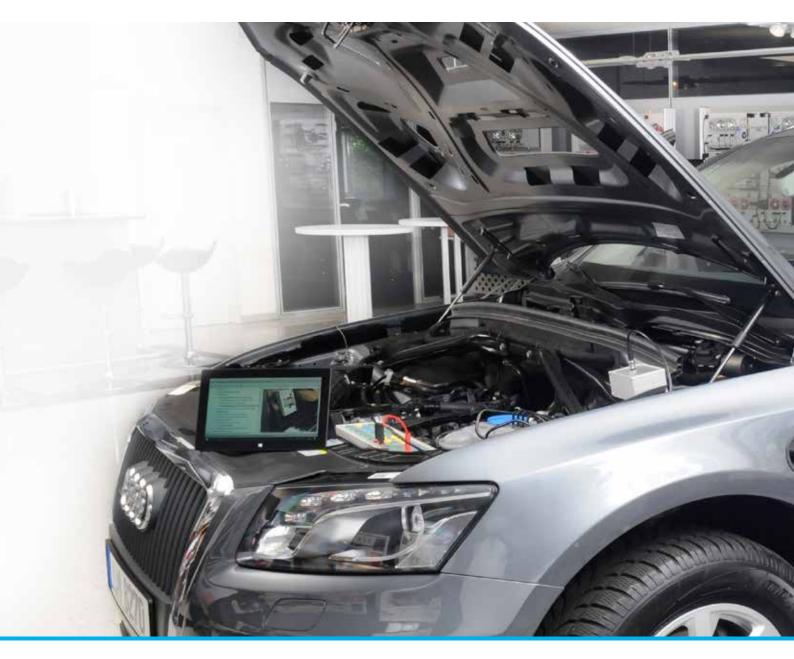




DIGITALLY INTEGRATED TRAINING VEHICLE

Digital innovation in automotive vocational training

DIAGNOSTICS ON ORIGINAL VEHICLES DESIGNED FOR TRAINING



Select from six different vehicle models. In addition to the conventional petrol or diesel-powered vehicles, you can also decide on a vehicle with hybrid drive or even a fully electricallypowered vehicle.

Vehicle selection is undertaken according to strict quality guidelines. This is how we guarantee you a premium product with high cost efficiency.

Vehicle features

- Certified premium motor vehicles
- · Relatively new models
- Premium accessories
- Visually excellent condition
- Selection of power train
- · European model



Select from the following models:

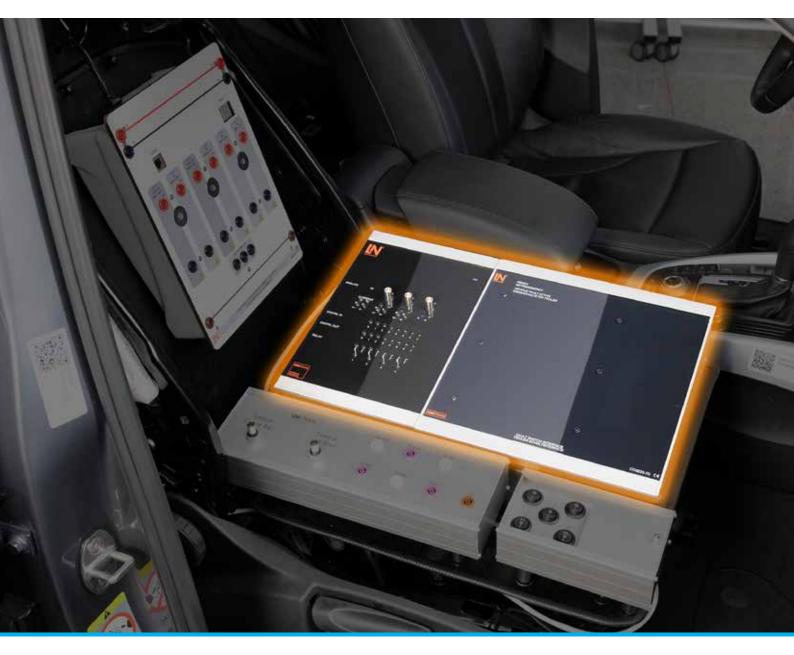
Conventional power train Audi Q5 gas-powered (LM8293) Audi Q5 diesel-powered (LM8294) **Hybrid drive train** VW Golf GTE (LM8296) Hyundai Ionic (LM8319)

All vehicles are especially adapted and modified for optimum deployment and use in a training setting. In addition to facilitating visualisation of all the most important systems inside a motor vehicle, the system also incorporates a variety of breakout boxes as well as 30 fault simulation switches. The original circuit diagrams are also included for each vehicle to allow fordiagnostics work under real-life conditions.

Electric drive trains VW e-Golf (LM8295) BMW i3 (LM8298)

Order no. LM8293/94/95/96/98 and LM8319

THE DIGITALISATION PACKAGE – DIGITAL DIAGNOSIS ON A REAL MOTOR VEHICLE



To exhaust the full potential of the training vehicle, we recommend installing the digitalisation package. With this package a WiFi-capable measurement and diagnostics interface is installed into the vehicle, which permits fault simulation to be activated and for measurements to be uploaded to the learning platform from the vehicle.

The entire range of measuring instruments (4-channel oscilloscope, multimeter, clamp-on probes etc.) is already comfortably integrated and can easily be started and operated from the learning platform.

Benefits

- Digitally integrated learning platform
- Interactive diagnostics course
- WiFi-capable measuring interface
- Including clamp-on probes
- WiFi-capable diagnostics interface
- · OBD II break-out box

INTERACTIVE COURSE FOCUSSED ON "DIAGNOSTICS"



The measurement expansion package permits multiple trainees to conduct measurements and perform diagnostics at the same time on just one vehicle thanks to the inclusion of the student measurement stations.

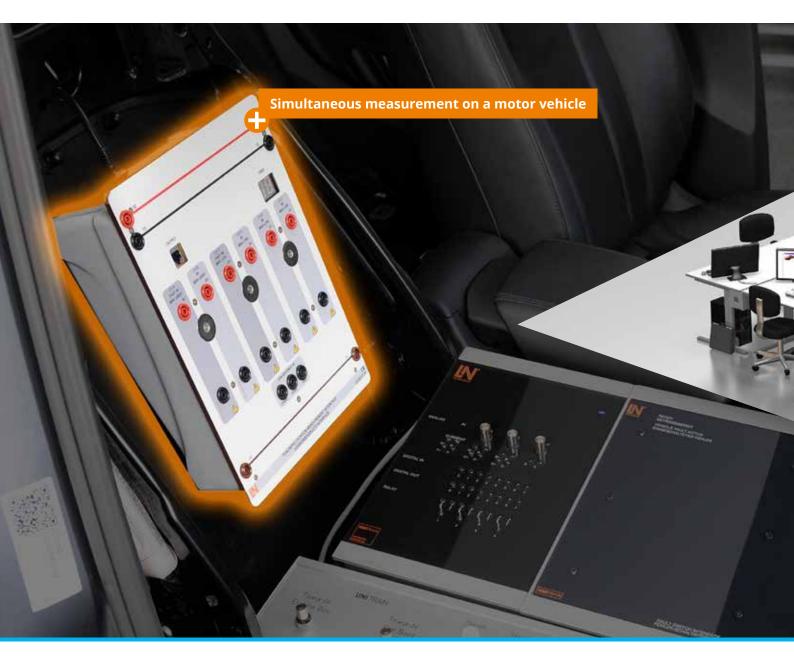
Using the signal interface inside the motor vehicle up to six different signals can be fed in which are then available at the student measurement stations. The number of student measurement stations can be extended as desired. This makes it possible to involve an entire group on just one motor vehicle.

Highlights

- Integrated fault simulation
- Integrated measuring instruments
- Compact explanations explore the theory
- Practical diagnostics including core service processes
- Training diagnostics skills and expertise
- · Perform tests on actuators
- Perform full job order acceptance
- Evaluation and archiving of measurement results

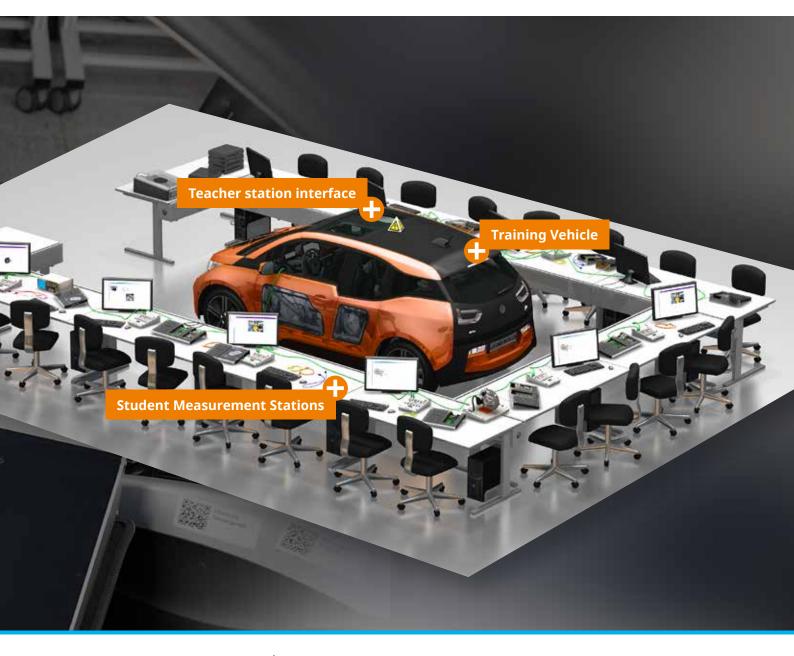
Order no. CO3223-7E

MEASUREMENT EXPANSION PACKAGE – SIMULTANEOUS WORKING FOR ANY NUMBER OF TRAINEES



The measurement expansion package permits multiple trainees to conduct measurements and perform diagnostics at the same time on just one vehicle thanks to the inclusion of the student measurement stations.

Using the signal interface inside the motor vehicle up to six different signals can be fed in which are then available at the student measurement stations. The number of student measurement stations can be extended as desired. This makes it possible to involve an entire group on just one motor vehicle.



Flexible networked and safes student/teacher measuring stations

This system simultaneously transmits the desired signals to students. Any electrical system can serve as a signal source - whether vehicle or training system.

Benefits

- For universal use in all training classes
- Transmission of both analog and digital signals
- Signal inputs up to \pm 500 V/signal outputs up to \pm 15 V
- Suitable for high-voltage systems
- Accurate transmission of signals

Instructors can feed in high-voltage signals from their own desks. These are then automatically output at student workstations at a safe voltage. The key point is that the actual signal waveform remains unaltered. The teachers' station also includes a gateway through which CAN signals can be fed. There is even automatic bus determination.

Benefits

- Ease of assembly and disassembly
- Digital display for diagnosing circuit breaks
- No hazardous or interference responses
- Ease of networking in the lab by means of Ethernet cables





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