

Item No.: SO4204-6G

## UniTrain "Comfort systems and keyless entry"

Includes:



1 experiment card (keyless-entry control unit with LF and HF aerials, touch pad), keyless entry remote (key fob) (LF-3D aerial, HF aerial, on/off button, status LEDs)

CD-ROM with Labsoft browser, course software and additional virtual instruments – “DIAGNOSTICS”, “CAR MONITOR”, CAN bus.

### Training contents:

- Comfort systems and safety
- Comfort systems in vehicles
- Central locking, electrical
- Central locking, electro-pneumatic
- Operation of central locking system, mechanical, infra-red, radio and self-triggering
- Familiarisation with various types of car key
- Keyless entry to vehicles
- Keyless locking
- Keyless entry system
- Non-contact opening of central locking
- Familiarisation with and configuration of comfort systems in vehicles
- Communication processes between vehicle and keyless entry remote (fob)
- Low-frequency RFID (communication between vehicle and key remote)
- High-frequency radio (communication between key remote and vehicle)
- HF and LF aerials
- Measurement of signal strength from aerials
- CAN network structure

Fitting keyless systems to existing vehicles