



# OsCAR smart

## Single EOL test system for vehicle seats



- for use in development, test and serial production
- movable system for high flexibility
- modular & scalable EOL test platform
- customer specific configurable
- electrical functional test
- base system for integration of
  - *robot-based and operatorless seat control*
  - *acoustic test / impact sound measurement*
  - *pneumatic test / leakage test*
  - *optical test / contour measurement*
- discomfort test
- fast and safe 100 % test of all the seat functions
- test of occupancy detection sensor with extension (BodySense/CIS/SBR/SBE/PODS)



### Inspection Characteristics

- measurement of all electrical parameters (resistance, current, voltage)
- crossover test on partial and short-circuits between wires and seat mass (Shot to Ground test)
- test of occupancy detection sensor with extension (BodySense/CIS/SBR/SBE/PODS)
- ECU testing via CAN, CAN-FD or LIN and supporting of Secure Onboard Communication
- pneumatic system test (pressure and flow measurement, leakage measurement)
- acoustic inspection, noise measurement
- climate system test
- entertainment system test
- delivery position and manual movement of motors

### Features

- single station with low height
- movable system for high flexibility
- expandable through external equipment (options)
- intended for high production volume
- different seat programs in the same assembly line
- simple test parameter and sequence management
- option code (barcode) editor
- user manager
- parameter manager with single test possibility
- self-test and calibration using self test box
- central test parameter and user database when using several devices

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### Options

- robot-based and operatorless seat control
- 3D contour measurement – accurate, non-contact, very fast spot laser measurement system
- Impact Sound Analysis
- current based motor noise measurement
- Air module – pneumatic test for seats with central air supply
- inspection of optical characteristics
- testing of lordosis, lumbar and massage function via camera system
- force application test equipment
- supporting structures and safety equipment for test operator and product protection

### Interfaces

- touchscreen based user interface
- high durable / performance test cables and plugs
- 2D barcode scanner
- customizable test reports
- adaptable to all production control and database systems

Made in Germany



ISO 9001 certified

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