

Door Panel Test Box – mobile, flexible and reliable

Presence detection and function tests of electrical components in door panels



Customized mobile test application

Capabilities

- Voltage and current measurement
- LIN communication
- Intuitive user guidance
- Visualization of all essential information
- File interface to the production control system
- Operation in On- or Offline mode applicable
- I/O control
- Automatic hardware control
- High level of parameterization (test parameters and -programs, user guidance, visualization, door pictures, etc.)
- Upgradable for future test szenarios

Test spectrum

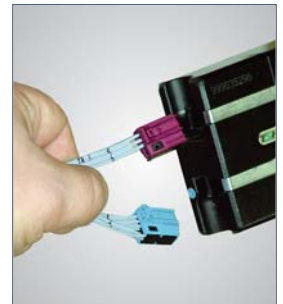
- Presence detection and function test of electrical components in door panel systems
- Logging of test results
- Communication with the production control system

Test samples

- Analogue voltage coded switches
- Digital LIN switches
- Lamps and LEDs
- Surface design and further characteristics

Adaptation

- Hand adapter with spring loaded, screwable contact pins assure the durable contacting of the test sample
- Automatic detection of locked connectors



Inside view of the hand adapter:
Accurately fitting sockets ensure precise test results



Examples for realized test applications with the mobile test box

Basic or customized test system?

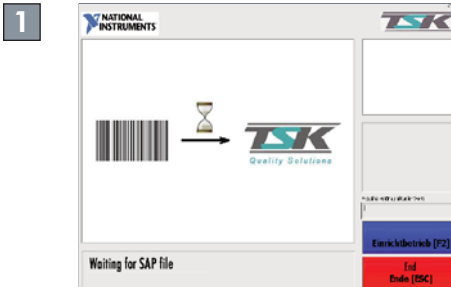
Let our experiences be your advantage!



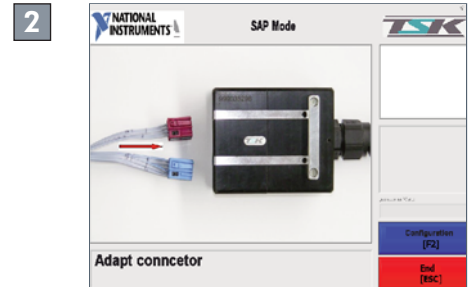
Potential equipment of a mobile test box

1. 230 V power supply
 2. Power on/off
 3. USB-interface
 4. LIN controller
 5. Optional: interface for a second hand adapter
 6. Remote control module
 7. Interface for hand adapter
 8. LAN interface
- Software
 - Mobile test box
 - I/O-System for:
 - Signal controlling
 - Detection of connectors
 - Voltage measurement
 - Databus multi controller for LIN-communication

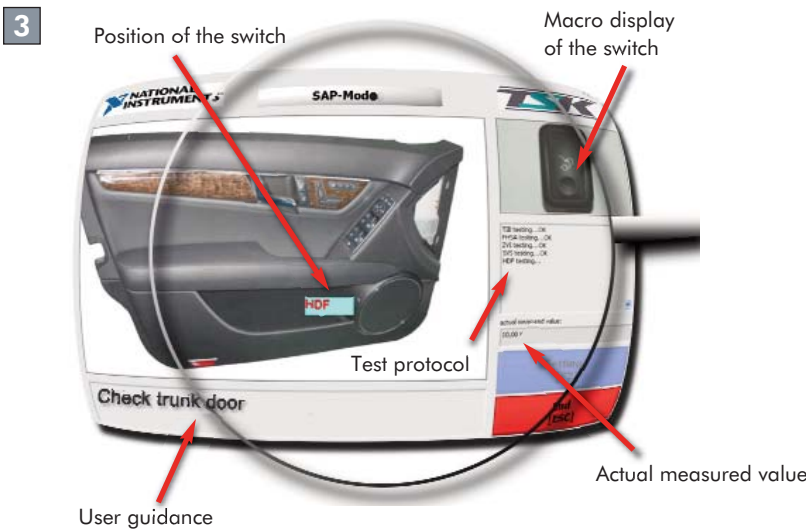
Test procedure



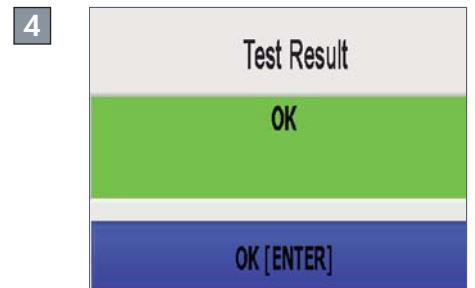
Barcode scan, transfer of the testing task from the production control system to the TSK test bench



Adaptation of the door, automatic start of the test



Detail: User Interface using the example of the trunk door



Display, logging and transfer of the results to the production control system