**E-vehicle simulator**

The I/O Vehicle Simulator offers the possibility to make an end-of-line function test of e-mobility charging cables and charging stations without having an e-vehicle connected.

With the I/O Vehicle Simulator, a suitable adaptation and an adaptronic NT test system it is possible to simulate the charging procedure of an e-vehicle.

The I/O Vehicle Simulator is programmable via the function test editor of NT Control.

**Function test for charging devices**

The I/O Vehicle Simulator is suitable for the test of all common charging devices for e-vehicles like type 1, type 2, type GB etc. and offers in connection with an adaptronic test system the test of the following states or functions:

- Charging device ready / no vehicle connected to the charging device
- Charging device ready / vehicle connected to the charging device
- Simulation of different vehicle states for checking the charge condition display of the charging device
- Charging device FI circuit breaker function test

**Features:**

- Scoop-proof design
- Module for DIN-rail installation
- Tester connection via 37-way flat ribbon cable
- Connection of adaptation via spring-cage terminals
- Oscilloscope connector for signal evaluation

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**Competence in Testing**
Function Test Modules

- To I/O card of the tester (D-Sub, male, 37-way)
- Additional separately available measuring outputs
- Status display for I/O states and relays
- Connector for charging connector adapter
- BNC connector for an oscilloscope
  - Measurements of:
    - amplitude
    - frequency
    - pulse width
- Relay switch for triggering electric contactors
- 24 VDC power supply

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