**Software** | **Electronics** | **Sensors** | **Fixture** | **Control technology**

**iT**

**ITgroup**



# Bumper test system | MidiAdvanced with test fixture

## Product description

The test system is used for End-of-Line testing of completely assembled motor vehicle bumpers. The bumper is manually inserted into the fixture and connected to the test equipment via a contacting adapter.

After the transfer of the construction order by the customer's production flow system, the test starts.
For this purpose, all installed sensors and electronic components are tested for presence and their function according to the manufacturer's specifications. In addition, an obstacle test is carried out with the ultrasonic sensors. The test results are reported back to the customer's production flow system and documented.

## Field of application

Quality control and End-of-Line test in the production/manufacturing area

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## Technical data

### Test bench/device

- Test fixture
- - Height-adjustable, precise and exchangeable bumper fixture
- - Obstacles for testing ultrasonic sensors according to manufacturer's specifications
- - Shield for radar sensors
- Measuring and testing technology in MidiAdvanced test rack

### Software

- TST-WIN test system
  - All settings and processes menu-driven and freely programmable
  - Extensive possibilities for controlling the sequence and the measurements
  - Visualization of test results by means of a table of measured values and additional graphic display
- Module „Remote maintenance" enables remote access by ITronic service personnel
- Module „MES" enables variant-dependent testing by a higher-level system.
- Module „ITDB", incl. vITronic, enables evaluation and statistical processing of measurement data

### Scope of testing

- Electronic testing (according to manufacturer's specifications):
- - Ultrasonic parking aid sensors including distance measurement
- - Radar sensor incl. Shield (NBR, BSM+, IBSM,TWA)
- - G-SAT pedestrian protection sensor
- - P-SAT pedestrian protection sensor
- - Lights
- - Hands-free access sensor

### Input-/visualisation units

- Keyboard
- Monitor
- Barcodescanner (manually)
- Control box
- Label printer

### Dimensions/Transport

- 4200x2850x1650 mm (WxHxD)
  Weight approx.885 kg

### Test time

- Individual, depending on test scope

### Exemplarly device type

- 105 3311