PASSION INNOVATES FUTURE

AVL DiTEST

AVL DiTEST practiCABLE

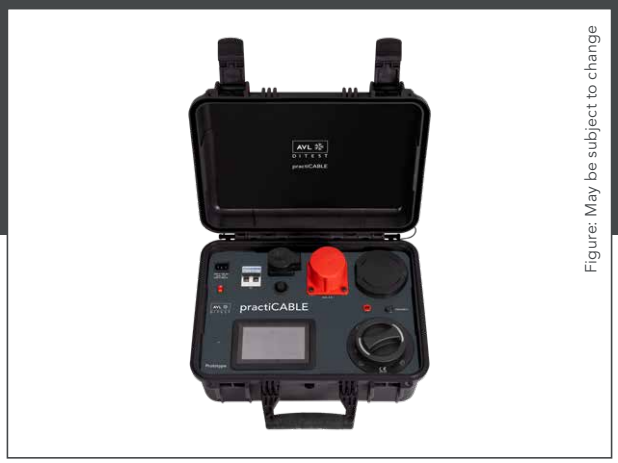

Figure: May be subject to change

The AVL DiTEST practiCABLE allows you to automate the inspection of Mode 2 (IC-CPD) and Mode 3 charging cables for electric vehicles in just a few minutes. The practical standalone case solution enables complete safety and functional testing according to current standards and guidelines (DGUV Regulation 3, EN 50699, EN 62752, etc.) without the need for additional test equipment.

Its simple design and intuitive operation make your work effortless and efficient, even if you don't have an electrotechnical background. Select from predefined test plans that comply with manufacturers' specifications or create individual autotest sequences and test plans according to your requirements. You can transfer the recorded measured values quickly and easily via Bluetooth or USB and generate clear reports.

PRODUCT BENEFITS

- **Inspection** of charging cables for electric vehicles in line with DGUV Regulation 3 (inspection of mobile electrical equipment)
- **Automated test procedures:** Plug in – Start – Finished
- **Mode 2 (IC-CPD)** and **Mode 3** charging cables with **type 2** or type 1 plugs
- **Compatible** with all standard single and 3-phase mains plugs (Schuko, CEE 16/32A)
- Easy to set up and intuitive to use
- **Predefined test plans according to manufacturers' specifications** or customised autotest sequences
- **Evaluation of test results** based on standards-compliant or individually selected limits
- Measured values can be transferred via **Bluetooth and USB-C**

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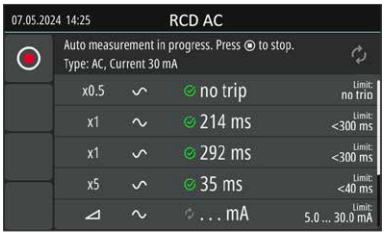
AVAILABLE MEASUREMENTS MODE 2

- Visual inspection checklist
- Protective conductor resistance (3 mA, 200 mA)
- Protective conductor connection housing
- Insulation resistance (250 V, 500 V)
- RCD-AC tripping time and current (10 mA, 30 mA)
- RCD-A tripping time and current (10 mA, 30 mA)
- RCD-DD tripping time and current (6 mA)
- Incorrect wiring & line interruption
- Earth leakage current
- Contact current
- Proximity Pilot
- CP signal analysis (states A, B, C)
- Simulation of communication errors

AVAILABLE MEASUREMENTS MODE 3

- Visual inspection checklist
- Protective conductor resistance (200 mA)
- Continuity of all conductors
- Insulation resistance between all conductors
- Proximity Pilot



Intuitive software

TECHNICAL DATA

Supply	
Input voltage	207 to 253 V, 50 Hz, max. 2 A detachable power cable
Ambient conditions	
Operating temperature	-10 to 40 °C
Transport and storage temperature	-20 to 50 °C
Humidity	5 to 85% (without condensation)
Altitude	2000 m
Mechanical details	
Protection class	IP 65 (closed) IP 20 (open)
Dimensions	405 x 330 x 180 mm (W x H x D)
Weight	8.5 kg
Connectivity	Bluetooth, USB C
Standards	
Tests according to the following standards (others on request)	**EN 50699 (VDE 0702)** Recurrent tests of electrical equipment **EN 62752** In-cable control and protection device (IC-CPD) for mode 2 charging of electric road vehicles **EN IEC 61851-1** Electric vehicle conductive charging system – Part 1: General requirements **EN IEC 61557** Electrical safety in low voltage distribution systems up to 1 000 V AC and 1 500 V DC – Equipment for testing, measuring or monitoring of protective measures

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