

MAHA INNOVATION CENTER

PIONEERING SOLUTIONS FOR THE MEASUREMENT
AND TESTING TECHNOLOGY OF TOMORROW.

**STILL IN
DEVELOPMENT
BECOME A PILOT
CUSTOMER NOW**



ISO CHECK EV

THREE COMPLIANCE CHECKS. ONE DEVICE.

made by MAHA
 made
in
Germany



ONE DEVICE. MULTIPLE MEASUREMENTS.

Electromobility is changing how workshops operate. Anyone servicing an EV now has to prove compliance with standards across several separate testing areas: insulation resistance and equipotential bonding on the vehicle itself, the charging cable as a piece of portable electrical equipment, and the on-site charging point.

Until now, what this has meant in practice is: several test meters from various manufacturers, multiple user interfaces and different calibration cycles. The investment climbs into five-figure territory fast – and the test records still end up scattered across all of them.

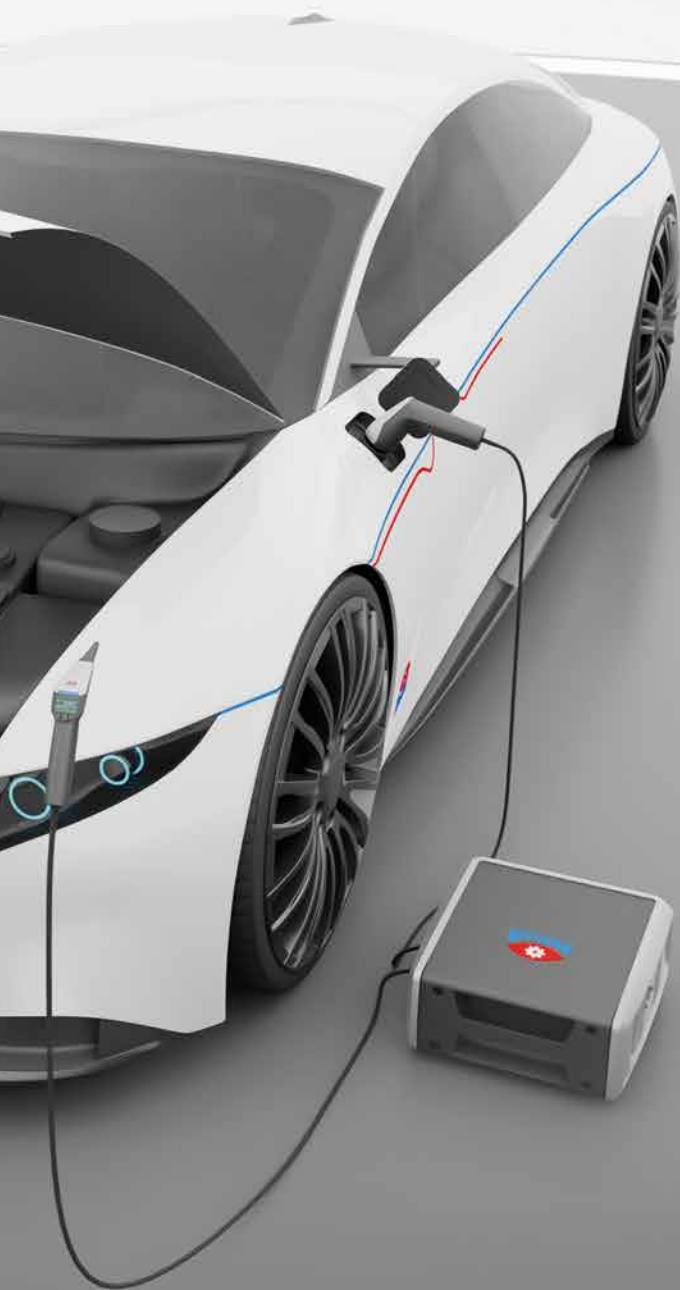
WHAT THIS DEVICE TESTS:

- Insulation resistance at the AC charging connector
- Insulation resistance on the HV / DC side (optional)
- Equipotential bonding
- The charging cable
- The on-site charging point



MAHA INNOVATION CENTER

ISO CHECK EV. THREE COMPLIANCE CHECKS. ONE DEVICE.



ONE DEVICE TESTS EVERYTHING.

Every required test path, safely covered by one device.

ALWAYS CLOSE TO HAND. READY FOR USE IN NO TIME.

The built-in storage and carry case keeps the device safe during storage and transit – and gets it up and running fast on site.

ONE TEST REPORT.

All the test results recorded in a single document – that can be exported in an audit-proof format.

GUIDED TEST SEQUENCE.

The display guides you through every test path one step at a time – and can be operated by any technician qualified for HV work.

THE TECHNOLOGY AT A GLANCE.

INSULATION RESISTANCE AT THE CHARGING CONNECTOR.

Test voltage 250 V – N, L1, L2, L3 against PE, automated (UN ECE R100).

INSULATION RESISTANCE ON THE HV / DC SIDE.

Test voltage up to 1,000 V available as an option – for 400 V and 800 V architectures (UN ECE R100).

EQUIPOTENTIAL BONDING TEST.

Low-resistance measurement: test current > 250 mA, 4-wire / Kelvin test probe (UN ECE R100).

CHARGING CABLE DIAGNOSTICS.

Protective earth conductor, insulation, PP coding, fault simulation (VDE 0701 / 0702, DGUV V3, EN 62752).

THE ON-SITE CHARGING POINT.

Optional: protective earth conductor, insulation resistance, loop impedance, RCD, phase rotation, CP / PWM signal analysis (DIN VDE 0100-600/-722, IEC 61851-1).

STANDARDISED DOCUMENTATION.

One file format covers all three test paths – export reports using USB or via Bluetooth, and archive them in an audit-proof format.

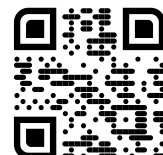
TIMING

2027
PILOT PHASE WITH SELECTED
WORKSHOPS AND TESTING ORGANISATIONS

2028
MARKET LAUNCH



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