

PROFITEST | MTECH / MxTRA



Electric Vehicle Network

Standard-compliant Testing of Electric Vehicle Charging Stations

in accordance with IEC 60364-6 and IEC 61851

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Standard-compliant Testing of Electric Vehicle Charging Stations

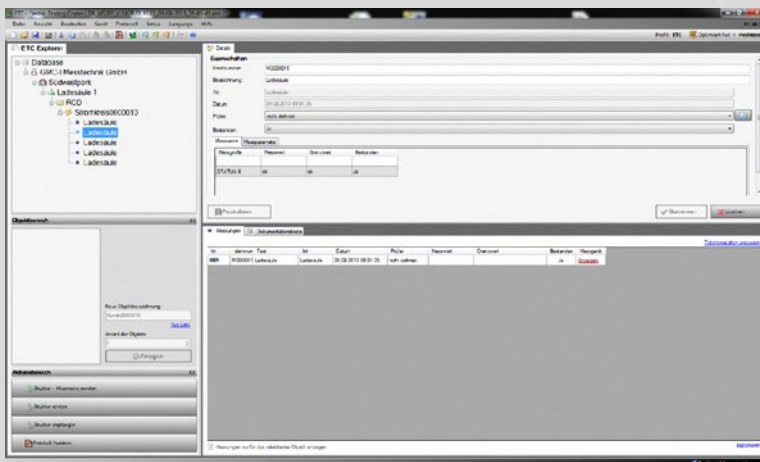
The electric safety of EV charging stations in the public and industrial sector must be guaranteed both under regular conditions and different climatic conditions with a special view to foreseeable faulty operation as well as misuse due to vandalism.

The charging of electric vehicles, however, requires equipment that is suited for operation by lay persons for which special safety precautions have to be taken to control the specific hazards involved.

PROFITEST | **MTECH/MXTRA** allows for the performance and documentation of all safety-related electric tests in accordance with **IEC 60364-6**. Via an internal test procedure it furthermore provides for visualizing and documenting the **vehicle statuses in accordance with IEC 61851**, in combination with the test box produced by Mennekes.

Characteristics of PROFITEST | **MTECH/MXTRA**

- ▲ Large voltage and frequency range
- ▲ Low-resistance measurement with automatic polarity reversal of measuring voltage
- ▲ Measurement of insulation resistance with nominal voltage, with variable or rising test voltage
- ▲ Highly precise loop impedance measurement (ZS) with a resolution of 0.001 Ω without tripping the RCD
- ▲ RCD test with continuously rising and intelligent ramp (RCCBs)
RCD test for Types A, AC, B, B+, F, G/R, SRCDs, PRCDs,
Testing of insulation monitoring devices (IMD) and residual current monitoring devices (RCM)
- ▲ Earth resistance measurement using different measuring methods
- ▲ Creation of test sequences in ETC software (Profitest MXTRA)



- ▲ Intelligent data transfer – bidirectional data exchange – Bluetooth (Profitest MXTRA)
- ▲ Automatic measurement cable compensation (AMC) using 4-wire method
- ▲ Measuring category CAT IV
- ▲ DAKKS calibration certificate

Type	Article
PROFITEST MTECH	M5200
PROFITEST MXTRA	M520P

Test box und connector cable available on request at Mennekes



GMC-I Messtechnik GmbH

Südwestpark 15 ■ 90449 Nürnberg ■ Germany
Phone: +49 911 8602-111 ■ Fax: +49 911 8602-777

www.gossenmetrawatt.com ■ info@gossenmetrawatt.com

