

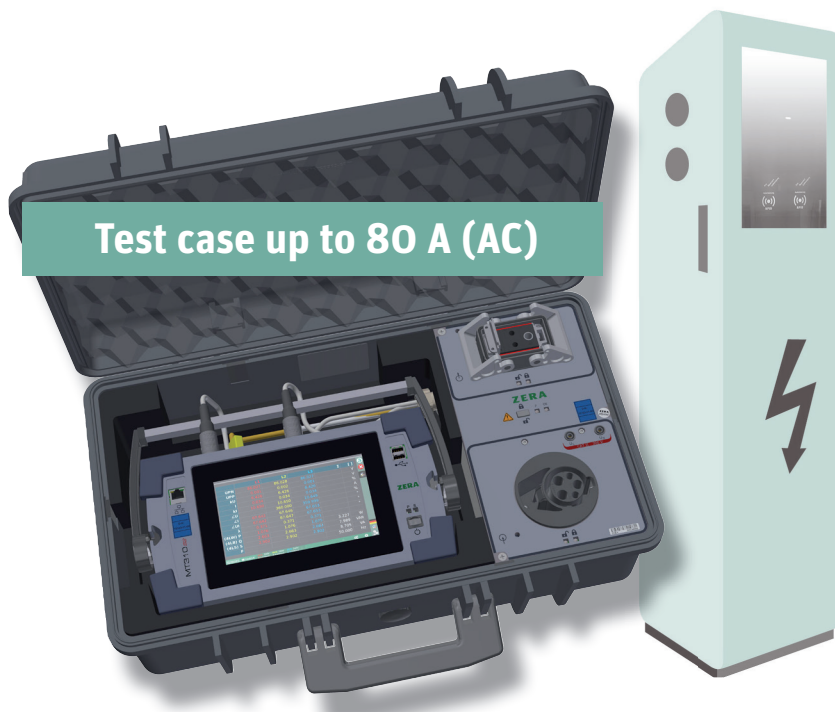
INFORMATION

05/2022

E-MOBILITY - On-site testing of AC charging stations

The growing number of electric vehicles in the world also makes the expansion of the charging infrastructure increasingly important. The requirements for the charging process of electric vehicles with their different charging capacities and different types of connectors are high. The charging stations should work reliably and according to their specifications. Special test equipment and adapters are necessary to verify them.

With our test case EMOB 80 and in combination with a portable reference meter of the new s2-series, the on-site testing of charging stations can easily succeed. Due to our MT3xOs2 including a battery pack, you are independent of the mains supply when measuring current and voltage on-site. A predefined test sequence in WinSAM guides you through the individual work steps up to the reporting of your measurement results. Testing can be so simple.



Test case up to 80 A (AC)

EMOB 80

- Test case for direct connection to charging stations for electric vehicle
- Reliable energy measurement during the charging process
- Optimal extension unit for the portable reference meter MT3xOs2
- Current measurement up to 80 A (AC)

Easy handling

- Direct connection via special charging cables (see below)
- Permanent connection of s2 device* and test case
- A comprehensive range of accessories for on-site testing in a separate case

High safety aspects

- Connections according to IEC 62196
- Battery pack* for mains supply of the reference meter on-site
- Electromechanical plug locking
- Temperature monitoring of the high current contacts

High accuracy

- Accuracy of the integrated transformers: 0.05 %
- Charging cable with additional measuring line (sense) to avoid measuring uncertainties or losses due to cable length if there is no connection cable at the charging station is available.

Due to battery operation* independent of the mains



* only valid in operation with MT3xOs2

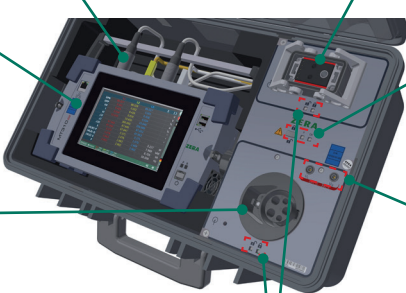


Technical data in summary

| Product name | Type | Max. current | Max. voltage | Number of phases | Type of current | Plug | Accuracy* |
|--------------|-----------|--------------|--------------|------------------|-----------------|--------|-----------|
| EMOB80 | Test case | 80 A (AC) | 300 V (AC) | 1 | AC | Type 1 | 0.05 % |

* of the integrated transformers

All special features at a glance



Efficiency

- Short set-up time due to permanent connection

Direct

- Connection to electric vehicle or load

Clear

- LED indicator „ready to use“ or available mains supply
- LED indicator and button for a secured locking mechanism of the plug connection

Accurate

- Voltage connection (measurement of the voltage on the current via return measurement (sense))

Plus

- On-site measurement out of the transport case (without uncasing)

Direct (type 1)

- Connection with charging station

Clear

- LED indicator for automatic plug detection or for activated locking mechanism

On-site testing – comfortable and fast

