



INFORMATION ON CALIBRATION LAW

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WHAT TYPES OF METERS ARE THERE?

DIGITAL METER

The easiest method for meter readings is the use of a digital meter. It records exactly and transparently how much electricity has been consumed at a charging station. For example, if a wallbox is connected to the company network or integrated via MID-certified meters, this is legally sufficient.

MID METER

Charging systems with MID meters provide limited protection for users regarding billing. They are a requirement, but they are not sufficient on their own according to calibration law. According to German law, this can lead to considerable disadvantages for the user.

CALIBRATION-LAW-COMPLIANT METER

In addition to the MID certification, the calibration-law-compliant meter also offers secure data storage for German authorities, especially the PTB. This means that all measured charging processes can be traced and reviewed in a legally compliant way. Publicly accessible charging points must be operated in a calibration-law-compliant manner in order to avoid legal conformity issues.

FURTHER INFORMATION

A charging system must meet the following criteria in order to be considered compliant with calibration law:

- The meter reading before and after the charging process must be visible in the charging system.
- The system stores the time of the charging process, customer ID or transaction ID and a unique charging process ID.

The customer can check consumption data in real time and later online.

The manufacturer operates a conformity assessment procedure with a registered measuring device and refers to the charging system with a manipulationssicheren Siegel. German calibration authorities ensure that users receive correct quantities of energy and that consumption is paid correctly.

DO YOU NEED MID OR CALIBRATION-LAW-COMPLIANT DEVICES?

Whether you need MID or calibration-law-compliant charging devices depends on the type of charging process.

- The Mess- und Eichgesetz (MID) is a European regulation that regulates measuring devices and control systems for energy and liquids. MID-certified devices are permitted for use in commercial and industrial applications.
- Calibration-law-compliant charging devices, on the other hand, refer to charging devices that comply with the requirements of German calibration law. This means that they ensure accurate measurement of energy consumption and proper billing.



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WHAT ARE THE ADVANTAGES OF CALIBRATION-LAW-COMPLIANT CHARGING?

- Legal certainty: By using calibration-law-compliant charging devices, you can be sure that you meet all legal requirements and do not have to fear any legal consequences.
- Avoidance of conflicts: Since the billed consumption corresponds to the actual energy consumption, conflicts with employees or third parties can be avoided.
- Cost savings: By using calibration-law-compliant charging devices, you can prevent additional costs for retrofitting or replacing charging devices in the future.