



PROFiSIM 1 Installation Board “Service Line with Main Grounding Busbar – Measurements per VDE0100-600”

Manufacturer no. CO3109-8H
GMC-I material no. M560A

Preface

These test instructions are intended to be read, understood and complied with in full by persons who will work with the training system.

They include basic information and instructions regarding test deadlines and test regulations in order to assure safe use of the devices.

It is thus absolutely essential for the responsible training personnel to read these test instructions carefully before installation and initial start-up. Errors can only be prevented, and trouble-free operation can only be assured, by familiarization with this test specification.

Manufacturer's Name and Address

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1 Legal Aspects

1.1 Limitation of Liability

GMC-I Messtechnik GmbH assumes no liability for damage resulting from:

- Unsuitable or incorrect use
- Unauthorized, faulty installation and/or initial start-up by the operating entity or any third party
- Subsequent modifications executed by the operating entity or any third party
- Natural wear and tear
- Negligent or incorrect handling, maintenance or repair
- Non-compliance with the operating instructions
- Inappropriate operating equipment

Testing of the devices may only be conducted by an electrician or under the supervision of an electrician.

1.2 Copyrights

This test specification is intended for the respectively responsible persons.

The test specification includes stipulations and drawings of a technical nature which may not be duplicated, distributed, exploited or disclosed to others without authorization for the purpose of competition, either in part or in their entirety.

The operating entity is only permitted to prepare copies — even of excerpts only — for the purpose of internal use in conjunction with operation of the training system.

2 Test Specifications



The device is not equipped with a protective conductor which is fed in from the outside. It may only be used for measuring purposes in accordance with the experimentation instructions.

This device is classified as a portable device and must be correspondingly tested at regular intervals in accordance with DIN VDE 0701-0702 (see section 3, “Test Deadlines”).

Special considerations:

This device's special intended purpose must be taken into consideration.

This device must be tested in consideration of its intended purpose. In contrast to DIN VDE standards (e.g. EN 61010), not all green-yellow sockets are connected to the protective conductor in the normal state.

The protective conductor is interrupted at the device's front panel. Connection can be established with 4 mm safety jumper plugs.

The device is equipped with a fault simulator. Before testing, make sure that all fault switches are turned off.

3 Test Deadlines

To a great extent, test deadlines depend on frequency of use and ambient conditions. It's advisable to arrange for a hazard assessment and to base the test deadlines on its results.

The manufacturer, GMC-I Messtechnik GmbH, recommends **annual periodic testing** in accordance with DIN VDE 0701-0702.

4 Test Instructions

All tests in accordance with DIN VDE 0701-0702 must be conducted in consideration of the device's special intended purpose.



Due to its special intended purpose, the device is equipped with protective insulation. For this reason, it's not possible to measure the external protective conductor.

Testing must be conducted with a suitable measuring instrument which is approved for this purpose.

Testing may only be conducted while the fault simulator is switched off.

5 Test Seals

Testing prior to initial start-up can be omitted if the device bears the following test seal.



The year of manufacture/shipment and the inspector's initials appears on this test seal.

After repeat periodic inspection in accordance with the hazard assessment, and no later than after 2 years, a new test seal must be attached to the device by the inspector.