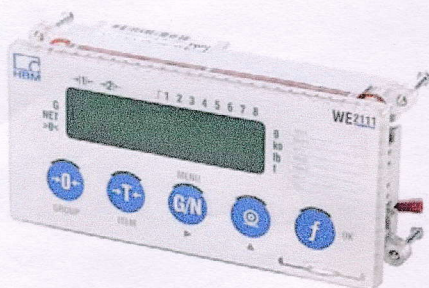


Safety Instructions

English



Digital Weighing Indicator
WE2111

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1 Safety instructions

Proper use

The device is to be used exclusively as a component for a scale and directly related control tasks within the application limits detailed in the specifications. Use for any purpose other than the above is deemed to be non-designated use.

Any person instructed to carry out installation, commissioning or operation of the device must have read and understood the Operating Manual and in particular the technical safety instructions.

In the interests of safety, the device should only be operated by qualified personnel and as described in the Operating Manual. It is also essential to comply with the legal and safety requirements for the application concerned during use. The same applies to the use of accessories.

The device is not intended for use as a safety component. Please also refer to the section: "Additional safety precautions". Proper and safe operation requires proper transportation, correct storage, siting and mounting, and careful operation.

Operating conditions

- Protect the device from direct contact with water.
- Protect the device from moisture and weather such as rain or snow. The device degree of protection is IP20 (DIN EN 60529), the front plate degree of protection is IP66.
- Do not expose the device to direct sunlight.

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- Protect the device against impact/shock loads and strong vibrations.
- Comply with the maximum permissible ambient temperatures and the data on maximum air humidity as stated in the specifications.
- The device must not be modified from the design or safety engineering point of view except with our express agreement. In particular, any repair or soldering work on motherboards (replacement of components) is prohibited. When exchanging complete modules, use only original parts from HBM.
- The device is delivered from the factory with a fixed hardware and software configuration. Changes can only be made within the possibilities documented in the manuals.
- The device is intended for use in industrial environments and corresponds to Class A in compliance with DIN EN 55011.
- The device is maintenance-free.
- Please note the following points when cleaning the housing:
 - Disconnect the device from all current and voltage supplies before cleaning it.
 - Clean the housing with a soft, slightly damp (not wet!) cloth. *Never use solvent* as this could damage the labeling or the housing.
 - When cleaning, ensure that no liquid gets into the device or connections.
- In accordance with national and local environmental protection and material recovery and recycling regulations, old equipment that can no longer be used

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must be disposed of separately and not with normal household garbage.

Qualified personnel

Qualified persons means persons entrusted with the installation, fitting, commissioning and operation of the product who possess the appropriate qualifications for their function.

This includes people who meet at least one of the three following requirements:

- Knowledge of the safety concepts of measurement and automation technology is a requirement and as project personnel, you must be familiar with these concepts.
- As measurement or automation plant operating personnel, you have been instructed how to handle the machinery. You are familiar with the operation of the equipment and technologies described in this documentation.
- As commissioning engineers or service engineers, you have successfully completed the training to qualify you to repair the automation systems. You are also authorized to activate, ground and label circuits and equipment in accordance with safety engineering standards.

Working safely

- The device must not be directly connected to the power supply system. The supply voltage must be between 12 and 24V_{DC}. A supply with 110 to 240 V_{AC} is possible with the option 1-WE2111-AC.

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- Error messages should only be acknowledged once the cause of the error is removed and no further danger exists.
- Automation equipment and devices must be designed in such a way that adequate protection or locking against unintentional actuation is provided (e.g. access checks, password protection, etc.).
- For those devices operating in networks, safety precautions must be taken both in terms of hardware and software, so that a line break or other interruptions to signal transmission do not cause undefined states or loss of data in the automation device.
- After making settings and carrying out activities that are password-protected, ensure that any controls that may be connected remain in a safe condition until the switching performance of the device has been tested.

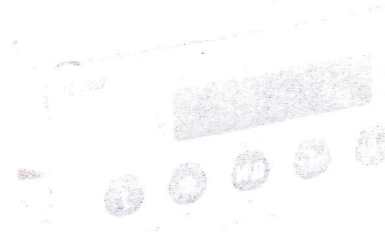
Additional safety precautions

Additional safety precautions that meet the requirements of the applicable national and local accident prevention regulations must be taken in plants where malfunctions could cause major damage, loss of data or even personal injury.

The scope of supply and performance of the device covers only a small area of measurement and weighing technology. Before starting up the device in a system, a project planning and risk analysis must first be implemented, taking into account all the safety aspects of measurement and automation technology so that residual risks are minimized. This particularly concerns personal and machine protection. In the event of a fault, appropriate precautions must establish safe operating conditions.

General dangers of failing to follow the safety instructions

The device is state of the art and as such is failsafe. The device may give rise to residual dangers if it is inappropriately installed and operated.



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2 Markings used on the device



FCC certification

This mark enables the manufacturer to guarantee that the product complies with the requirements of the FCC (Federal Communications Commission, USA).



CE certification

The CE mark enables the manufacturer to guarantee that the product complies with the requirements of the relevant EC directives (the Declaration of Conformity can be found on the HBM website (www.hbm.com) under HBMdoc).



Statutory waste disposal mark

In accordance with national and local environmental protection and material recovery and recycling regulations, old devices that can no longer be used must be disposed of separately and not with normal household garbage.

3 WE2111 documentation

The complete operating manual can be found on the USB memory stick provided in the scope of supply or on the Internet website of HBM under HBMdoc (www.hbm.com/HBMdoc) in the section *Digital weighing electronics*.

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All product descriptions are for general information only.
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Hottinger Baldwin Messtechnik GmbH

Im Tiefen See 45 · 64293 Darmstadt · Germany
Tel. +49 6151 803-0 · Fax: +49 6151 803-9100
Email: info@hbm.com · www.hbm.com