

Precision balance (Industry Light) Model Series: EIB

Type Series: TEIB-A



Operating instructions (Translation of the original operating instructions)
Version 2 (2026-06) - en_GB

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TEIB-A-BA-e-2620

Supplemental directives

Read this document carefully and completely before using the device and observe the safety precautions contained therein. The manufacturer is not liable for damage resulting from disregarding the instructions or improper use.

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1 Introduction

1.1 Validity

This document is an integral part of the product. It is valid for the product versions listed below.

You can recognise which product version your product is on the type plate. The following illustration is an example. The real type plate may differ from the illustration. The model number is shown in <Model> and the type item no. is shown in <Type>.

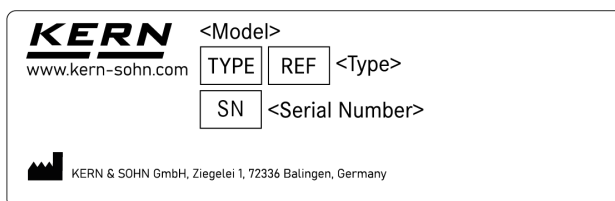


Fig. 1: Example of the type plate (real type plate may be different)

You can find more interesting information about our products in the download area:

- Technical data sheets
- Product brochures and catalogues

Model	Item no. / Type
EIB 500-1	TEIB 520-1-A
EIB 1000-1	TEIB 1200-1-A
EIB 2000-0	TEIB 2200-0-A

1.2 Document purpose

This document provides the user with descriptions for the safe and efficient use of the product. The document must be carefully read and understood by all users before the product is used.

1.3 Other versions of the document

The original version of this document was created in German. We reserve the right to make subsequent changes to the product documentation. The current version and other language versions of the document can be found on our website ➔ www.kern-sohn.com.

2 General safety instructions

Read this document thoroughly and carefully before using the device and observe all safety precautions contained herein to avoid bodily injury and damage to property. Keep this document in a place that is always easily accessible so that it is quickly available when needed.

2.1 Meaning of the warnings

Warnings warn you of possible safety risks during certain activities. Read the warnings in full and follow the instructions. Failure to do so may result in injury, damage to property, environmental damage, malfunctions or incorrect results.

Meaning of the signal words

Signal word	Meaning
DANGER	This combination of symbol and signal word indicates an immediate dangerous situation that will result in death or serious injury if it is not avoided.
WARNING	This combination of symbol and signal word indicates a possible dangerous situation that can result in death or serious injury if it is not avoided.
CAUTION	This combination of symbol and signal word indicates a possible dangerous situation that can result in minor injury if it is not avoided.

Signal word	Meaning
NOTICE	This combination of symbol and signal word indicates a possible dangerous situation that can result in material and environmental damage if it is not avoided.
ENVIRONMENT	This combination of symbol and signal word indicates a possible dangerous situation that can result in material and environmental damage if it is not avoided.

Meaning of the warning signs

Warning signs	Type of danger
	Warning – danger zone.
	Warning – dangers due to batteries.
	Warning – high-voltage.

2.2 Safe handling of packaging material

Always keep packaging material away from children and animals to avoid the danger of suffocation.

2.3 Safe handling of electrical devices

Safe handling of power supply units and power supplies

Improper handling of mains-powered devices or the use of damaged or unsuitable power supply units or mains cables can lead to life-threatening injuries. Therefore, please observe the following instructions:

- If the electrical equipment is defective (e.g. damage to the power supply unit or mains cable, deformation, smoke, etc.), the device must not be used. If you notice any damage, disconnect the device from the power supply immediately and contact your dealer or the technical service of KERN & SOHN.
- Only connect the device to a properly installed and undamaged power supply. The information on the device (type plate) and the mains voltage at the place of use must be identical.
- To prevent short circuits, ensure that no moisture (e.g. steam or liquids) is present near the electrical equipment at the place of use.
- Any work on the electrical equipment of the device may only be carried out by the technical service of KERN & SOHN.
- The mains cable must not be pinched or kinked and must be laid in such a way that it does not pose a tripping hazard.
- In case of an emergency, it must be possible to disconnect the device from the power supply without any problems.

Safe handling of batteries and rechargeable batteries

Batteries and rechargeable batteries may catch fire, emit toxic fumes, release corrosive liquids or explode if not used correctly. Therefore, observe the instructions in the following section.

Damage

- Do not use damaged or deformed batteries and rechargeable batteries.
- Protect batteries and rechargeable batteries from mechanical damage, heat, cold, water and chemicals.
- Protect batteries and rechargeable batteries from short circuits. Never touch the terminals with metal objects.
- When inserting batteries and rechargeable batteries, ensure that the polarity (positive and negative terminals) is correct and that you are using suitable battery types. Only use types recommended by the manufacturer.
- Batteries and rechargeable batteries must not be modified.

Transport

- When transporting batteries or rechargeable batteries, the applicable national and international regulations must be observed. Ensure that batteries or rechargeable batteries are protected against short circuits and damage. Do not ship defective batteries or devices containing defective batteries.

Storage

- Remove the batteries or rechargeable batteries if the device is not to be used for a longer period of time.
- Protect batteries and rechargeable batteries from short circuits (e.g. by covering the terminals) and store them separately by type. Preferably use a fireproof container for storage.
- Store batteries and rechargeable batteries at room temperature in a dry place. Avoid extreme cold or extreme heat in the storage environment. Also observe the recommended ambient temperature stated in the technical data.

Battery fluid

- Avoid contact between leaking fluid and skin, eyes or clothing.
- Wear protective clothing/equipment when removing a defective battery and ensure the room is well ventilated.
- Clean skin or clothing that has come into contact with battery fluid thoroughly with soap suds and then rinse with clean water.
- In case of contact with eyes, rinse immediately with clean water and then get medical help.

Disposal

- Do not dispose of batteries and rechargeable batteries in household waste, but at collection points or recycling centres.
- Ensure that the poles are not short-circuited during disposal.
- Further information on disposal: ➔ *'Disposal of batteries and rechargeable batteries' on page 30*

2.4 Intended use

Intended use of the scale

This scale is used to determine the weight of items to be weighed. This scale is a "non-automatic weighing instrument". This means that the material to be weighed must be placed manually, with care and as centred as possible on the weighing plate. Once a stable weight value is displayed, the result can be read.

2.5 Improper use

Improper use of the scale

- Our scales with strain gauges are not intended for use in dynamic weighing processes.
However, the scales can also be used for dosing applications after checking the individual area of application and the accuracy requirements.
You can find out whether your scale is equipped with strain gauge technology by checking the technical data. ➔ *Chapter 13.1 'Technical data' on page 34*
- To prevent damage, avoid impact loadings and do not exceed the maximum load limit (Max.) of the scale.
- Any modification to the design of the scale will invalidate the warranty and may lead to incorrect weighing results and safety-related defects. Such modifications are therefore prohibited.
- The scale may only be used in accordance with the specifications described in this document.
- The scale is not designed for weighing people. It is not suitable for medical purposes.

2.6 Obligations of the operating company

It is the responsibility of the operating company to comply with the specifications described in this document as well as with legal and official regulations at the place of use. Any failure to comply with the safety precautions and instructions described in this document is considered improper use. KERN & SOHN is not liable for any damage resulting from improper use.

2.7 Required user qualifications

- No special qualifications are required for setting up, operation, handling and care of the device. The operating instructions must be read in order to acquire the necessary knowledge for these activities.

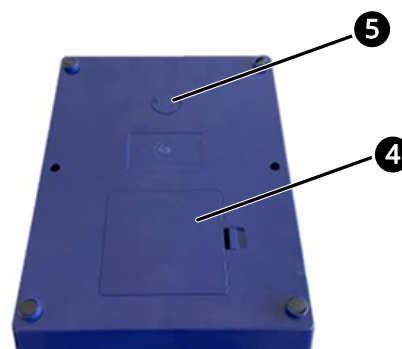
2.8 Requirements for the environment of use

In addition to the environmental information in the technical data, observe the following requirements for the environment of use:

- The device must not be operated in environments where there is a risk of corrosion.
- The device must be protected from excessive humidity, steam, spray and dust.
- The device must be protected from excessive moisture caused by condensation. Condensation can occur if the device is moved from a cold environment to a much warmer environment. If such a change of environment cannot be avoided, allow the device to acclimatise for approx. 2 hours before starting it up.
- The device must not be used in environments with aggressive chemicals, gases or liquids.
- The device must not be used in potentially explosive atmospheres or environments where explosives are present.
- The device must not be used in environments subject to severe impacts or vibrations.
- The device must not be exposed to extreme heat or strong temperature fluctuations (e.g. by placing the device next to a heater or in direct sunlight).
- Protect the device from direct draughts.
- Select a location with a stable power supply.
- When choosing the place of use, consider the surrounding environment. Electromagnetic fields and electrostatic charges can affect the weighing result or cause damage.

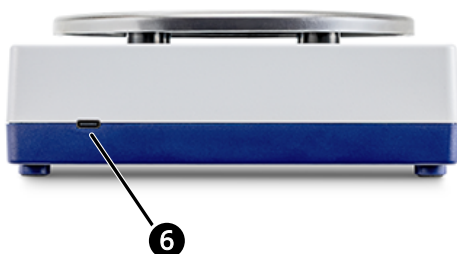
3 Description of the device

3.1 Overview of the device



- 1 Weighing plate
- 2 Keys
- 3 Display

- 4 Battery compartment
- 5 Device for suspended weighing



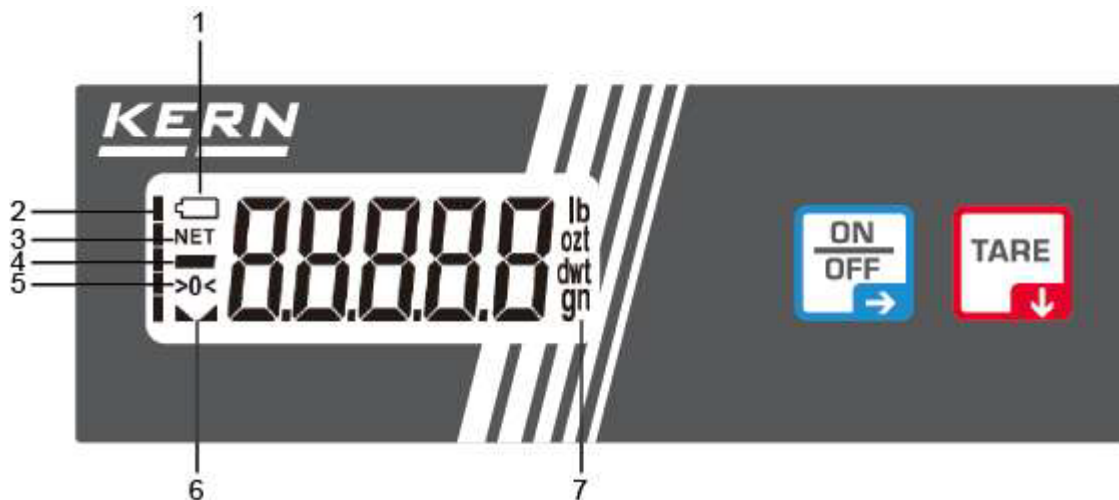
- 6 Mains adapter connection

3.2 Overview of the keys

Key	Designation in the text	Short keystroke	Long keystroke
	[ON/OFF] or [→]	■ Switch on the scale ■ In the menu: Confirm menu item	■ Switch off the scale

Key	Designation in the text	Short keystroke	Long keystroke
	[TARE] or [↓]	- Zero setting or taring - In the menu: Select menu items	Open the menu

3.3 Overview of the display



Item number	Designation	Description
1	Battery charging indicator	Displayed when running on battery power
2	Bar graph	The bar graph display shows the extent to which the weighing plate is loaded in relation to the scale's weighing range.
3	Indicator: Net	The displayed value is the net weight (shown after taring)
4	Indicator: Negative	Displayed when the weight reading is negative
5	Indicator: Zero	Displayed while the scale is at zero
6	Indicator: Stability	Displayed when the weight value is stable

Description of the device

Item number	Designation	Description
7	Units	Active unit displayed on the right-hand side of the display

4 Unpacking, checking and transporting the device

4.1 Unpacking and checking the device



WARNING

Danger of suffocation due to packaging material

Unattended packaging material can become a suffocation hazard for children or animals.

- Do not leave packaging material unattended, especially if children or animals are around.



- *Save the original packaging and its components for transport, storage or a possible return.*
- *Contact your dealer if you notice any missing parts or damage. Information on warranty and goods return can be found in ➔ Chapter 10.1 'Warranty' on page 29.*

1. ➔ Check the packaging for visible external damage that may have occurred during shipment.
2. ➔ Unpack all parts of the delivery (➔ Chapter 4.2 'Scope of delivery' on page 15) and remove the packaging materials.
3. ➔ Check that all parts of the delivery are complete and undamaged.
 - ➔ You can now transport the device to the place of use. ➔ Chapter 4.3 'Transporting the device' on page 15

4.2 Scope of delivery

- Scale
- Weighing plate
- Battery
- Hook for suspended weighing
- Operating instructions

4.3 Transporting the device



NOTICE

Damage due to improper transport

Incorrect transport can damage the device.

General information on transporting scales

- Remove all loads from the weighing plate before transporting the scale.
- Remove all loose components from the device before transporting it.
- Use the original packaging to transport the device over long distances.
- When transporting batteries or rechargeable batteries, the applicable national and international regulations must be observed. Ensure that batteries or rechargeable batteries are protected against short circuits and damage. Do not ship defective batteries or devices containing defective batteries.

- When transporting the scale, hold it by the housing and not by the weighing plate or the weighing plate support.
- To transport the scale over short distances, hold it by the transport handle and move it using the transport castors.
- For transport over short distances, hold the scale by the transport handle.

5 Assembly, installation and commissioning

5.1 Selecting the place of use

The scales are designed to achieve reliable results under normal operating conditions. You can work accurately and quickly if you choose the right location for using your scale.

Please note when choosing the location:

- ➔ Chapter 13.1 'Technical data' on page 34
- ➔ Chapter 2.8 'Requirements for the environment of use' on page 11

5.2 Installing the device

5.2.1 Mains operation

Connecting the power supply to the mains



WARNING

Serious injuries due to damaged power supply units

Damaged power supply units can lead to short circuits, fires and serious injuries.

- Before each use, check the power supply unit and mains cable for visible damage. Do not use the power supply unit if it is damaged.



WARNING

Injuries due to incorrect handling of power supply units

Incorrect handling of power supply units can lead to short circuits, fires and serious injuries.

- Observe the safety precautions for handling power supply units.
➔ 'Safe handling of power supply units and power supplies' on page 9
- Avoid moisture at the mains connection, power supply unit and socket.
- Only connect the device to a properly installed socket.
- Make sure that the power supply unit cable is never kinked or pinched.
- Ensure that the power supply unit is accessible at all times.
- Ensure that the mains cable does not pose a tripping hazard.
- Only connect the power supply unit to the mains if the information on the device (sticker) and the mains voltage at the place of use are identical.



The USB-C cable is not included in the scope of delivery.

- ▶ Connect a USB-C cable to a suitable power plug (for power supply data, see ➔ Chapter 13.1 'Technical data' on page 34).

- ▶ Plug the USB-C cable connector into the USB-C port on the device (for the power connection, see ➔ *Chapter 3.1 'Overview of the device' on page 12*).
- ▶ Insert the power plug into the socket.
 - ➡ The device can now be put into operation. ➔ *Chapter 5.3 'Commissioning the device' on page 18*

- Only replace batteries or rechargeable batteries with types recommended by the manufacturer.
- Remove the batteries from the device if you wish to store them for a longer period of time. This protects the device from damage caused by any leakage of battery fluid.

5.2.2 Inserting batteries



WARNING

Injuries due to incorrect handling of batteries or rechargeable batteries

Incorrect handling of batteries can lead to short circuits, fires, leaks and injuries.

- Never use batteries or rechargeable batteries that are damaged or deformed.
- Never touch the terminals of batteries or rechargeable batteries with metal objects, as this can lead to short circuits.
- When inserting batteries or rechargeable batteries, ensure that the polarity is correct (positive and negative polarity).
- Do not use different types of batteries or old and new batteries together if several batteries are required for operation. This can lead to damage.

1. ➡ Carefully turn the scale over.



2. ➡ Open the battery compartment on the bottom side.
3. ➡ Insert batteries.
4. ➡ Close the battery compartment.
 - ➡ The scale can now be operated with batteries.

5.3 Commissioning the device

Measures before commissioning

In order to obtain accurate weighing results with electronic scales, the scale must have reached its operating temperature. During this acclimati-

sation period (➔ *Chapter 13.1 'Technical data' on page 34*), the scale must be connected to the power supply.

Commissioning procedure

Complete all necessary installation work and preparations before commissioning.

- 1.** ➔ Switch on the device. ➔ *Further information on page 25*
- 2.** ➔ An adjustment may be required at the installation location at the beginning. ➔ *Chapter 6.1 'Adjustment settings' on page 20*

6 Settings

6.1 Adjustment settings

The acceleration due to gravity varies at different locations on earth. For exact weighing results, the scale must be adjusted to the prevailing acceleration due to gravity at the location where it is installed. The scale must have reached its operating temperature before it can be adjusted.

Adjustment of the scale is required in the following cases:

- Before initial commissioning, if the scale has not already been adjusted to the installation location at the factory.
- After every change of location.
- After a significant change in environmental conditions (e.g. temperature or humidity).
- If the scale has been disconnected from the power supply.

To ensure accurate measurements, it is also recommended that the scale is adjusted regularly.



NOTICE

Incorrect weighing results

- Avoid unstable environmental conditions during adjustment (e.g. vibrations or air draught).
- Ensure that the scale has reached its operating temperature. ➔ [Chapter 13.1 'Technical data' on page 34](#)
- Only carry out the adjusting procedure with the standard weighing plate in place.
- During external adjusting, ensure that only the adjustment weight is on the weighing plate without any other load.
- Only handle adjustment weights with tweezers, weight handles or gloves. Avoid direct skin contact between your hands and adjustment weights.

6.1.1 Adjusting procedure with external adjustment weight

1. ➔ Provide adjustment weight.
2. ➔ Remove any load from the weighing plate.
3. ➔ In weighing mode, press and hold **[TARE]** until <unit> appears.
4. ➔ Press **[TARE]** again.
 - ➔ <cALE> is displayed.
5. ➔ Press **[ON/OFF]**.
 - ➔ <Zero> is displayed, followed by the weight value of the adjustment weight.
 - ➔ <PutLd> will then be displayed.

6. ➤ Place the adjustment weight in the centre of the weighing plate according to the displayed value.
 - ➡ <WaiT> is displayed, followed by <rEMLd>.
7. ➤ Remove the adjustment weight whilst <rEMLd> is displayed.
 - ➡ The adjusting process is complete.



If the display shows <WronG>, adjusting has failed. In this case, adjusting must be repeated.

6.2 Menu settings

6.2.1 Menu navigation

Key	Description
	▶ Open the menu ➡ The first menu item is displayed
	▶ Go to the next menu item
	▶ Confirm the selected menu item ➡ The setting selected flashes briefly ➡ The scale returns to the menu

6.2.2 Changing menu settings

Menu level	Description	Settings
unit	Selection of unit	dwt, g, gn, oz, ozt, lb
cALE	Adjusting	For the procedure, see ↪ Chapter 6.1.1 'Adjusting procedure with external adjustment weight' on page 20
tr	Auto Zero Tracking (automatic zero tracking) Stability control allows small variations in weight to be automatically compensated for.	■ <on>: Stability control enabled ■ <off>: Stability control disabled

Menu level	Description	Settings
AF	Auto off (automatic switch-off function for battery mode)	■ <AF 30>, <AF 60>, <AF 180>: The scale switches off automatically 30, 60 or 180 seconds after weighing is complete ■ <AF OFF>: The scale is in continuous operation
rESEt	Reset the scale to factory settings	■ <YES>: The scale is reset to its factory settings ■ <no>: Do not reset to factory settings
EXit	Exit menu / Return to weighing mode	

Note on Auto Zero Tracking



If small quantities of the weighing material are removed or added, stability control may produce incorrect weighing results being displayed (e.g. in case of liquids slowly flowing out of a container on the scale). For dosing operations involving minor weight fluctuations, it is therefore advisable to switch this function off.

7 Basic operation

7.1 Switching on the device



WARNING

Serious injuries due to damaged power supply units

Damaged power supply units can lead to short circuits, fires and serious injuries.

- Before each use, check the power supply unit and mains cable for visible damage. Do not use the power supply unit if it is damaged.



WARNING

Injuries due to incorrect handling of power supply units

Incorrect handling of power supply units can lead to short circuits, fires and serious injuries.

- Observe the safety precautions for handling power supply units.
➔ *'Safe handling of power supply units and power supplies' on page 9*
- Avoid moisture at the mains connection, power supply unit and socket.
- Only connect the device to a properly installed socket.
- Make sure that the power supply unit cable is never kinked or pinched.
- Ensure that the power supply unit is accessible at all times.
- Ensure that the mains cable does not pose a tripping hazard.
- Only connect the power supply unit to the mains if the information on the device (sticker) and the mains voltage at the place of use are identical.



NOTICE

Incorrect weighing results

Ensure that the scale has reached its operating temperature before you start weighing. ➔ *Chapter 13.1 'Technical data' on page 34*

- ▶ Press **[ON/OFF]**.
 - ➔ The display shows <U_2.0>.
 - ➔ The scale returns to zero.
 - ➔ The scale is now ready for operation.

7.2 Switching off the device



NOTICE

Do not leave a load on the weighing plate if you are planning to switch off the scale for a longer period of time. This could damage the measuring element.

- ▶ Press and hold **[ON-OFF]**.
 - ➔ The display switches off.
 - ➔ The scale is now switched off.

7.3 Zero setting

Zero setting a scale sets the display to zero so that no weight is displayed when the weighing plate is unloaded. This ensures measurement accuracy by compensating for slight deviations or external influences.



Zero setting is only possible within $\pm 2\%$ of the maximum weighing range. An error message appears if the value is above or below this range limit. ➔ Chapter 12.1 'Error messages and symbols' on page 32

1. ▶ Unload the scale.

2. ▶ Press **[TARE]**.
 - ➔ Zero display is shown.
 - ➔ Scale is set to zero.

7.4 Taring

At the touch of a button, the tare weight of any weighing container can be compensated so only the net weight of the weighed material will be displayed in subsequent weighing operations.



- After removing the container, the weight of the container appears as a negative value.
- To delete the stored tare value, remove the load from the weighing plate and tare or zero the unloaded scale.
- The taring process can be repeated any number of times, for example when weighing several components to form a mixture (add-on weighing). The limit is reached when the taring range is fully utilised.

Tare

1. ▶ Place the empty container on the weighing plate.
 - ➔ The weight of the container and the stability indicator are displayed.
2. ▶ Press **[TARE]**.
 - ➔ The zero display and net weight are shown.
 - ➔ The weight of the container is stored as a tare.

Weighing with tare

3. ➤ Fill the material to be weighed into the container.
 - ➡ The weight value and stability indicator are displayed.
 - ➡ The result can be read.

7.5 Simple weighing

1. ➤ Check whether the display reads zero and, if necessary, reset to zero.
2. ➤ Place the load on the weighing plate.
 - ➡ The weight value and stability indicator are displayed.
 - ➡ The result can be read.

7.6 Underfloor weighing

Underfloor weighing allows objects that cannot be placed on the weighing plate due to their size or shape to be weighed.



CAUTION

Risk of breakage due to overloading of the hook

Falling loads may cause injury.

- Never exceed the scale's specified maximum load (Max.).
- Make sure there are no living creatures or objects under the load that could be damaged.



NOTICE

Damage to the scale caused by dirt getting inside

Dirt (e.g. dust) entering the measuring system can cause damage and lead to incorrect results.

- Close the opening for the weigh-below hook once underfloor weighing is complete (to prevent dust ingress).

1. ➤ Switch off the scale.
2. ➤ Turn the scale over.
3. ➤ Open the cover on the bottom side of the scale. ➡ [Chapter 3.1 'Overview of the device' on page 12](#)
4. ➤ Place the scale over an opening.
5. ➤ Screw the hook in tightly.
6. ➤ If necessary, attach the weighing container and perform taring.
7. ➤ Attach the load and weigh it.

8 Cleaning

8.1 Safety during cleaning



DANGER

Electric shock due to live parts

Contact with live parts can lead to electric shock and burns.

- Installation, cleaning, maintenance and servicing work may only be carried out by qualified personnel.
- Disconnect live parts from the power supply.
- Only carry out installation, cleaning, servicing and maintenance work on devices that are switched off and disconnected from the power supply, unless otherwise specified in the relevant instructions.
- Follow the instructions in this document.



NOTICE

Material damage due to incorrect cleaning

Unsuitable cleaning agents can cause damage to the device.

- Do not use any aggressive cleaning agents (e.g. solvents).
- Do not use cleaning agents containing caustic soda, acetic, hydrochloric, sulphuric or citric acid on stainless steel parts.
- Do not use metal brushes or cleaning sponges made of steel wool.
- Do not open the device. There are no parts inside that may be cleaned.

8.2 Recommended cleaning

- 1.** ➤ Switch off the device.
- 2.** ➤ Disconnect the device from the power supply.
- 3.** ➤ Immediately remove any spilled material (e.g. loose sample residues or powder) with a brush or a handheld vacuum cleaner.
- 4.** ➤ Clean the device with a gentle cleaning agent (e.g. soap suds) and a soft cloth.
- 5.** ➤ Use a dry, lint-free cloth to wipe the device.

9 Decommissioning and storage

9.1 Taking the device out of operation

1. ➤ Switch off the device.
2. ➤ Disconnect the device from the power supply:
 - Disconnect the power supply from the mains and unplug it from the device.
 - Remove the batteries from the device
3. ➤ Remove all loose / moving parts from the device.
4. ➤ Pack the device and all accompanying parts neatly in the original packaging.
 - ➡ The device can now be stored
➡ *Chapter 9.2 'Storing the device' on page 28.*

9.2 Storing the device



NOTICE

Damage caused by incorrect storage

Improper storage can damage the device.

- Take the device out of operation according to the instructions in this document ➡ *Chapter 9.1 'Taking the device out of operation' on page 28.*
- Store the device in the original packaging.
- Do not store the device outdoors.
- Observe the environmental conditions in the technical data.

10 Warranty and goods return

10.1 Warranty

The warranty claim only applies to defects that were already present at the time of purchase. Damages or defects caused by improper use, incorrect handling or normal wear and tear are excluded from the warranty.

10.2 Goods return



- *A return is not possible if you have used the device improperly and it has been damaged as a result.*
- *The original packaging, including all associated parts, must be used for returns.*
- *In cases of returns, the complete scope of delivery must be sent back.*

Procedure for returns

1. ➤ Check that all parts of the delivery are present.
2. ➤ Remove all loose / moving parts and connected cables from the device.
3. ➤ Reapply any protective film that may be present.
4. ➤ Pack all parts of the delivery in the original packaging and secure them so that they cannot slip and are protected from damage.

11 Disposal



ENVIRONMENT

Damage to people and the environment due to improper disposal

Non-degradable materials (e.g. plastics or metals) can be released into the environment and cause damage if disposed of improperly.

Materials that are not recycled are a waste of resources and lead to increased environmental pollution.

Electrical devices may contain substances that are not biodegradable and are harmful to the environment and human health.

Batteries and rechargeable batteries may contain substances that are harmful to the environment and human health.

- Dispose of the device via appropriate recycling measures or recycling centres in accordance with the applicable national or regional law of the place of use.

Disposal of electronic devices



The crossed-out wheellie bin symbol indicates that waste from electronic equipment must not be disposed of with household waste. Disposal must be arranged by the operator in accordance with the applicable national or regional law of the place of use.

If this device contains confidential data, it is the responsibility of the operator to delete this data before disposal.

Remove batteries and rechargeable batteries before disposal of the device and dispose of them separately ➔ *'Disposal of batteries and rechargeable batteries' on page 30.*

Disposal of batteries and rechargeable batteries



The crossed-out wheellie bin symbol indicates that batteries and rechargeable batteries must not be disposed of with household waste. Disposal of batteries and rechargeable batteries must be arranged by the operator in accordance with the applicable national or regional law of the place of use.

We are obliged to inform end users in accordance with the EU Battery regulation and the applicable national regulations:

- End users are legally obliged to return all used (rechargeable) batteries.
- Batteries and rechargeable batteries can be returned free of charge after use to municipal collection centres or retailers. Non-used batteries/rechargeable batteries must be protected against short circuits.
- Returns to us are limited to usual household quantities of batteries and rechargeable batteries that we supply or have supplied.
- If batteries or rechargeable batteries contain cadmium (Cd), mercury (Hg) or lead (Pb), the respective symbol is shown below the waste bin symbol.

12 Troubleshooting

12.1 Error messages and symbols

Fault description	Cause	Remedy
L _ _ _]	Underload	The weight must be at least equal to the minimum weight
[_ _ _]	Overload	Apply less weight
L _ _]	Underload on start-up	Place the standard weighing plate on the scale
[_ _]	Overload on start-up	Remove any additional weight from the weighing plate
LoBat	Battery low	Change battery / Charge rechargeable battery
EW 02	Load cell reading is -1	Contact the KERN technical service department
EZ 01, EC 01	Load cell reading is negative.	Contact the KERN technical service department

12.2 Troubleshooting table

Fault description	Cause	Remedy
Display does not switch on	Power supply not connected	Connect the device to the power supply
	Device is not switched on	Switch on the device
	Display defective	Contact the KERN technical service department
Device cannot be switched on	Power key defective	Contact the KERN technical service department
	Power supply unit defective or not connected	Check and plug in the power supply unit
	Mains power outage	Wait
	Battery empty	Replace battery

Fault description	Cause	Remedy
Display does not respond to load changes	Display defective	Contact the KERN technical service department
	Load cell defective	Contact the KERN technical service department
Displayed weight is constantly changing	Load is moving	Place the load gently
	Unstable environmental conditions (e.g. draught / air movement, vibrations of the table or floor)	Stabilise the environmental conditions or move the device to another location
	Weighing plate is in contact with foreign objects	Remove foreign objects
	Electromagnetic fields / Electrostatic charge	If possible, switch off the interfering device or change the location of the scale
	Load cell defective	Contact the KERN technical service department
Result is incorrect	Scale is off zero	Unload the scale and set it to zero
	Adjustment is no longer correct	Carry out adjusting
	Scale is not level	Level the scale
	Significant variations in ambient temperature	Stabilise the environmental conditions or move the device to another location
	Electromagnetic fields / Electrostatic charge	If possible, switch off the interfering device or change the location of the scale

13 Product specification

13.1 Technical data

Model-specific data

Model	EIB 500-1	EIB 1000-1	EIB 2000-0
Item no. / Type	TEIB 520-1-A	TEIB 1200-1-A	TEIB 2200-0-A
Readout (d)	0,1 g	0,1 g	1 g
Weighing capacity (max.)	520 g	1200 g	2200 g
Reproducibility	0,1 g	0,1 g	1 g
Linearity	±0,2 g	±0,3 g	±2 g
Recommended adjustment weight (class)	500 g (M1)	1 kg (M1)	2 kg (M1)
Time required to reach operating temperature	10 min	30 min	10 min

General data

Usage environment		Only in closed areas
Units		g, gn, lb, dwt, ozt, oz
Ambient conditions	Ambient temperature	5–35 °C
	Relative humidity (non-condensing)	80 %

Power supply

Scale	Input	Voltage	5 V
		Current	1 A
Battery	Type		AA
	Quantity		4
	Voltage		1,5 V
	Operating time		75 h

13.2 Declaration of Conformity

The current EC/EU Declaration of Conformity can be found online at ➡ www.kern-sohn.com/shop/en/downloads.