



Baby hanging scale

MBH

TMBH-A



Translation

Operating instructions

Version 2.0
2026-04
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KERN MBH

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1 Introduction

1.1 General information about this guide

INFORMATION

- !** Read the operating instructions thoroughly before using the device. Only use the device in accordance with the specifications described in these operating instructions. This is to protect against personal injury and damage to property.

This operating manual contains the information you need to use your device properly. The original version of this document was written in German.

1.2 Presentation conventions

Presentation of the text

Text	Designation
•	List
⇒	Instructions
1. 2. ...	Steps in assembly/installation instructions that must be followed in sequence
[]	Square brackets are used to indicate buttons <i>Example: [X] key</i>
< >	Angle brackets are used to represent content that is displayed on the device's screen (e.g. menu items, parameters, notifications, etc.) <i>Example: <MENU></i>

Binding information

Important and binding information describes particularly noteworthy facts that you must take note of and that are always valid (e.g. legal provisions or terms and conditions).

INFORMATION

- !** Important binding information is provided here.

Additional information, tips and recommendations



Supplementary information, tips or recommendations can be found here

2 Description of the device

2.1 Description of the device

This baby hanging scale enables safe and reliable weight monitoring of infants. It is suitable, for example, for use by midwives during home visits or in postnatal care.

2.2 Intended use

The baby hanging scale is used to determine the body weight of infants and small children. It is designed as a non-automatic scale, which means that the child is placed in the weighing cloth and then lifted vertically by the user manually using the scale's suspension system.

The scale may only be used to lift and weigh freely suspended, calmly held infants. During the weighing process, care must be taken to ensure that the child is securely positioned and that there are no swinging or jerky movements. The child may only be weighed above a surface (e.g. table) and lifted only as far as necessary. The child must not be carried across the floor with the scales. Use for other purposes, in particular as a lifting, carrying or securing aid, is not permitted.

Once a stable weight value has been reached, the weight value can be read.

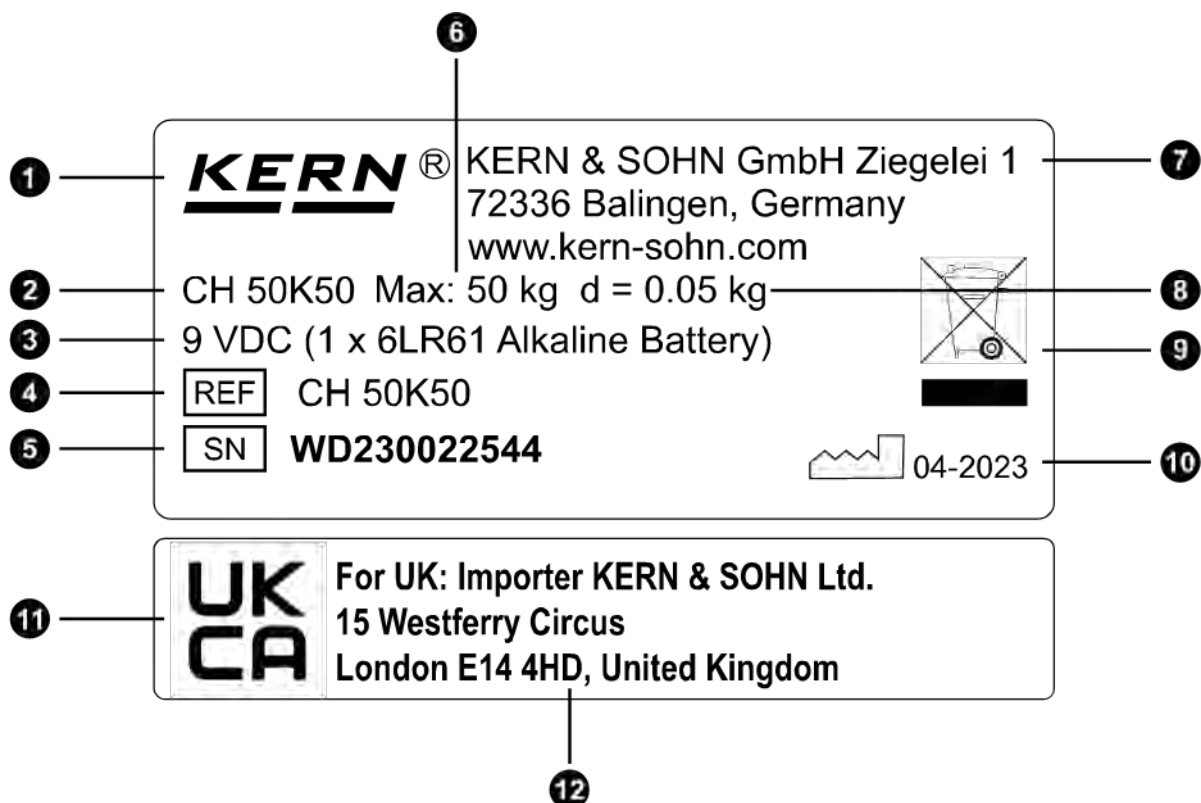
The handle of the scales is designed to be held by hand. The handle must not be connected to load-bearing equipment.

2.3 Technical data

KERN	MBH 15K-3
Item number / Type	TMBH 15K-3-A
Readability (d)	5 g / 10 g
Weighing range (max.)	10 kg / 15 kg
Tare range (subtractive)	15 kg
Reproducibility	10 g
Linearity	± 30 g
Recommended adjustment weight, not included, (class)	10 kg (M1)
Settling time (typical)	2 s
Accuracy	0.5% of max.
Warm-up time	10 min
Weighing units	kg, lb
Humidity	max. 90% rel. (non-condensing)
Permissible ambient temperature	5–35 °C
Auto off	3 min
Display	Digit height (large characters) 12 mm
Housing size	101 x 25 x 107 mm
Material Load bearing	Hook: steel
Suspension material	Housing: Plastic Handle: Plastic
Net weight	250 g
Battery	2 x 1.5 V AAA Operating time 100 hours (without backlight)
	Alkaline (manganese)

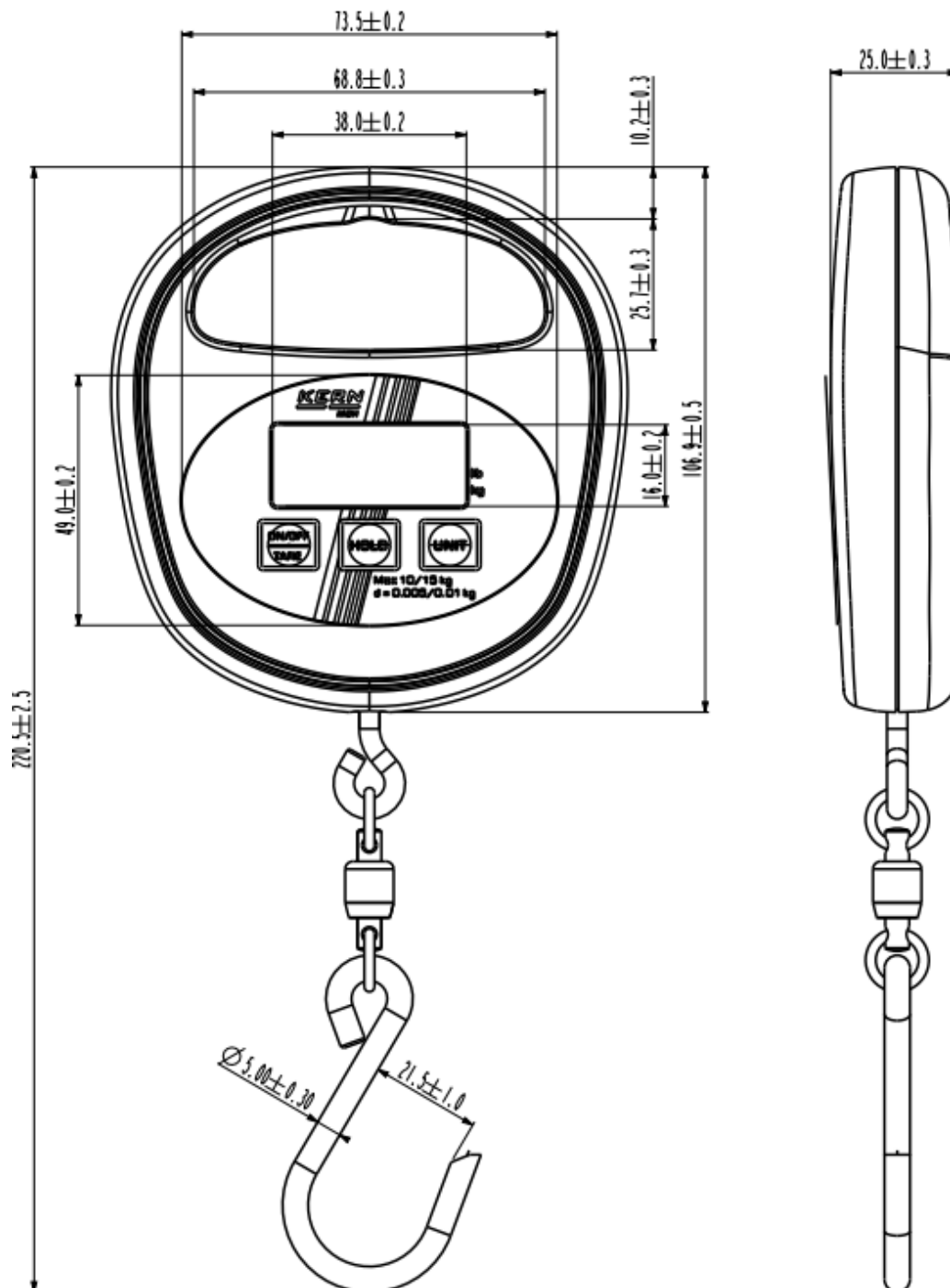
2.4 Type plate

Example (actual type plate may vary):



Item	Designation
1	KERN logo
2	Model designation
3	Power supply data
4	Type / Item number
5	Serial number
6	Weighing range [Max]
7	Company address
8	Readability [d]
9	Disposal symbol
10	Date of manufacture
11	UKCA mark
12	Importer address UK

2.5 Dimensions



Dimensions in mm

3 General safety information

INFORMATION



Read the operating instructions thoroughly before using the device. Only use the device in accordance with the specifications described in these operating instructions. This is to protect against personal injury and damage to property.

3.1 Inspection upon receipt

Please check the packaging immediately upon receipt and the device when unpacking for any visible external damage.

3.2 Observe and retain the operating instructions

The operating instructions contain important information for safe use of the device. They must be observed by all persons who use the device.

The operating instructions must always be available when the device is in use and must be kept for the entire service life of the device.

3.3 General information on warning notices

Warning notices are used in these operating instructions to warn you of possible personal injury or property damage in certain situations.

Signal word	Description
DANGER	Failure to observe this warning will result in serious injury, permanent impairment (e.g. loss of a limb) or death of the user or third parties.
WARNING	Failure to observe this warning may result in serious injury, permanent disability (e.g. loss of a limb) or death of the user or third parties.
CAUTION	Failure to observe this warning may result in minor injury or temporary impairment to the user or third parties (e.g. minor cuts).
NOTE	Failure to observe this warning may result in property damage.

Warning of personal injury:**⚠ SIGNAL WORD****Type and source(s) of hazard****Possible consequence(s) of the hazard***Symbol*

⇒ Measures to avoid the hazard

Warning of damage to property:**NOTE**

⇒ Measures to prevent damage to property

Symbols in warnings :

Symbol	Meaning
Warning signs	Warning signs warn you of hazards that could potentially cause personal injury. The symbol indicates the type of hazard.
	Indicates general hazards or a hazardous location
	Warning of electrical voltage
	Warning of flammable substances
	Warning of explosive substances
	Warning of suspended loads
	Warning of falling loads

Symbol	Meaning
Mandatory sign	Mandatory signs prescribe measures that you must take to prevent personal injury or property damage. The symbol indicates the necessary actions or items required to prevent damage.
	Indicates a mandatory action

3.4 Improper use

- Our scales are non-automatic scales and are not intended for use in dynamic weighing processes. However, the scales can also be used for dynamic weighing processes after checking the individual area of application and, in particular, the accuracy requirements of the application.
- Do not leave a continuous load on the hook. This can damage the measuring mechanism and safety-related parts.
- Avoid jerking and overloading the balance or any type of load-securing device beyond the specified maximum load (Max.), minus any tare load that may already be present. This could damage the balance or the load-securing device.
- The scale or any type of load-bearing equipment must not be modified in any way. This can lead to incorrect weighing results, safety defects and the destruction of the scale or load-bearing equipment.
- The scale must never be used to transport people or babies. Babies must not be carried with the scale.
- The infant must not be weighed without a support and must not be lifted unnecessarily high. When weighing, the infant may only be lifted a few centimetres.
- The scales must never be used to pull loads at an angle.
- The scales must never be used to tear, pull or drag loads.
- There must never be any persons or objects under the load, as they could be injured or damaged.
- Never operate the scales in rooms where there is a risk of explosion.
- The scales may only be used in accordance with the specifications described. Any other areas of use/applications must be approved in writing by KERN.
- This scale does not comply with the Medical Devices Act (MPG) and is not intended for medical use.
- Do not hang the scale on load-bearing equipment. The scale must be held by hand.

3.5 Obligations of the operator

The operator undertakes to:

- to observe national accident prevention regulations as well as work, operating and safety regulations.
- to use the device only in accordance with the specifications described in this operating manual and to observe all safety information and instructions described in this operating manual. Any type of use not described in this operating manual is considered improper use. The operator is responsible for any damage to property or personal injury resulting from such improper use. KERN & SOHN cannot be held liable if the device is used improperly and damage results from this.
- Check the hanging scale and load-bearing equipment for damage before each use.
- Ensure that the operating instructions are available at the place of use at all times.
- Only allow sufficiently qualified persons to use the device.

3.6 Qualification of users

The operator must ensure that the device is only used by sufficiently qualified persons.

- Installation, commissioning, maintenance and servicing may only be carried out by trained specialist personnel.
- Only trained and instructed persons may be assigned to operate the device.
- Repairs may only be carried out by trained specialist personnel.

3.7 Organisational measures

- Load-bearing components must not be replaced.

3.8 Ambient conditions

- The environmental conditions described in the operating instructions must be observed. Please refer to the technical data in the device overview.
- Do not use the balance in environments where there is a risk of corrosion.
- Protect the balance from high humidity, vapours, liquids and dust.
- Avoid extreme heat and temperature fluctuations, e.g. from direct sunlight.
- In the presence of electromagnetic fields (e.g. from mobile phones or radio equipment), static charges or an unstable power supply, significant display deviations (incorrect weighing results) are possible. In this case, the location must be changed or the source of interference eliminated.

3.9 Rechargeable batteries and batteries

General:

Improper use of rechargeable batteries or batteries can cause them to catch fire, explode, emit toxic fumes or release corrosive liquids. Therefore, the following applies to rechargeable batteries and batteries:

- Protect from fire and heat.
- Never expose to high pressure or microwaves.
- Do not allow them to come into contact with liquids or chemicals.
- Never allow the electrical contacts of rechargeable batteries and batteries to come into contact with metal objects or short-circuit.
- Never modify rechargeable batteries, batteries and chargers.
- Batteries must never be recharged.
- Never use or charge a defective, damaged or deformed battery.

Insertion, replacement and storage:

When inserting rechargeable batteries and batteries, ensure that the polarity is correct (see "+/-" markings in the rechargeable battery or battery compartment).

Only replace batteries with types recommended by the manufacturer.

If possible, remove batteries and store them separately (protected against short circuits) if the scales are not going to be used for a long period of time. Leaking battery fluid could damage the scales.

In the event of battery fluid leakage:

Fluid may leak from damaged batteries. Therefore, please note the following:

- Avoid contact between leaking fluid and your skin, eyes or clothing.
- Wear protective clothing/equipment when touching and removing a defective battery.
- Thoroughly clean any skin or clothing that has come into contact with battery fluid with soapy water and then rinse the affected areas thoroughly with clean water.
- If battery fluid gets into your eyes, rinse your eyes immediately with clean water. Then seek medical attention immediately.

3.10 Safety-conscious working

The following applies when working with suspended scales:

- Always work with great care, in accordance with the general rules for operating a crane.
- Check all parts (hooks, eyelets, rings, ropes, slings, cables, chains, etc.) for excessive wear and damage.
- Only work at an appropriate speed.
- Never use the scale to transport infants, persons or other loads.
- Do not stand or walk under suspended loads.
- Keep a constant eye on the baby when using the scales.
- Never exceed the rated load of the suspension scale or any type of load-lifting equipment attached to the suspension scale.
- Avoid vibrations and horizontal forces at all costs.
- Prevent impacts, twisting (torsion) and swinging (e.g. due to slanted attachment) of any kind.
- Only lift the load as far as necessary. Only lift the infant a few centimetres above a surface. Never carry or lift the infant high above the floor/table/bed.

4 Overview of the device

4.1 Components



Scales (front view)

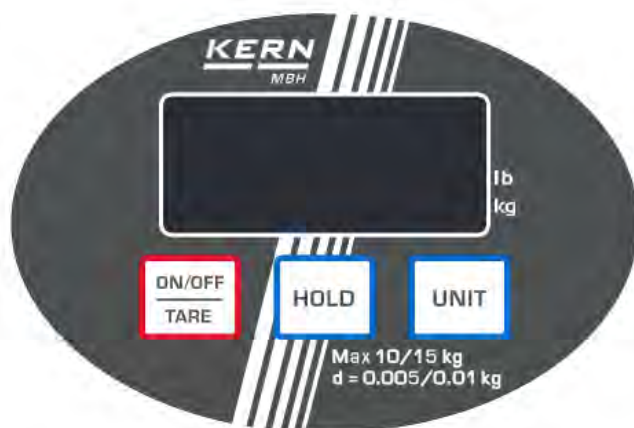


Scales (rear view)

Item	Designation
1	Display
2	Keyboard
3	Hook

Item	Description
4	Battery compartment

4.2 Keyboard



Key	Designation	Function
	ON/OFF	➤ Switch on ➤ Switch off (long press) ➤ Tare
	UNIT	➤ Switch weighing unit
	HOLD	➤ Fix weight display ➤ Display average value when weighing animals ➤ Confirm menu setting

4.3 Display

Display	Description
► kg	The current weighing unit is kilograms.
► lb	The current weighing unit is pounds
▲	Indicates the weighing value depending on the active setting H1 - H6 (see chapter 9.2).
LO	Battery capacity exhausted
E	Overload

4.4 Symbols on the device

Symbol	Description	
   ACHTUNG ! ATTENTION ! ATTENZIONE !		
		Do not stand or walk under suspended loads.
		Do not use in construction sites.
		Always keep an eye on suspended loads.
ACHTUNG ! ATTENTION ! ATTENZIONE !  Max 50 kg (Illustrative example)	Do not exceed the maximum load (max.) of the scale (In this example 50 kg) Observe the information on the actual sticker	
 	The product complies with the requirements of the German Product Safety Act.	
	The product complies with the applicable European requirements.	
	The product complies with the applicable requirements in England, Scotland and Wales.	

5 Transport, handling and storage

NOTE



- ⇒ Remove any attached loads before transporting the scale.
- ⇒ Do not use the scale to transport infants.
- ⇒ Never hold the scale by the hook during transport, as this may damage the scale.
- ⇒ Hold the scales by the housing, shackle or handle when transporting them.

5.1 Return transport / returns

INFORMATION



Returns are only possible within the limits of the general terms and conditions.

The original packaging must be used for returns.

Hanging scales with signs of use cannot be returned.

Hanging scales that have been used and therefore show signs of wear cannot be returned.

Hanging scales are sealed by KERN & SOHN.

- Removal from the packaging is sealed with adhesive tape.

Breaking the seal is considered a sign of use and obliges you to purchase the item. Returns are only possible if you discover defects and assert your claim for defects in accordance with the general terms and conditions.



Example image of seal

Procedure for return transport:

- Ensure that all parts of the delivery are complete.
- Pack all parts in the original packaging

5.2 Decommissioning and storage

- Switch off the hanging scale and remove the batteries.
- Store the hanging scale in its original packaging.
- Do not store the scale outdoors.

6 Assembly, installation and commissioning

6.1 Unpacking and inspection

INFORMATION



In the event of a return, please observe the instructions in the chapter "Return transport / returns".

Remove all parts of the scope of delivery from the packaging and remove the packaging materials. Then check that all parts of the scope of delivery are present and undamaged.

6.2 Scope of delivery

- Scales
- Batteries (2 x 1.5 V AAA)
- Operating instructions

6.3 Rechargeable/battery operation

WARNING



Risk of fire and explosion due to incorrect handling of rechargeable and non-rechargeable batteries



Fire or explosion can cause serious injury

- ⇒ Be sure to observe the information on rechargeable and non-rechargeable batteries in the chapter "General safety information "
- ⇒ Never charge batteries. Only rechargeable batteries are suitable for recharging.

6.3.1 Insertion, replacement and storage

NOTE



- ⇒ When inserting rechargeable and non-rechargeable batteries, ensure that the polarity is correct (see "+/-" markings in the battery compartment).
- ⇒ Only replace the batteries with the same type or a type recommended by the manufacturer.
- ⇒ Remove rechargeable batteries and batteries and store them separately (protected against short circuits) if the scales are not going to be used for a long period of time. Leaking battery fluid could damage the scales.

Inserting batteries:

1. Slide out the battery compartment cover on the back.
2. Insert the batteries. Ensure that the polarity is correct.
3. Push the battery compartment cover back into place.

6.4 Initial start-up

In order to obtain accurate weighing results with electronic scales, the scales must have reached their operating temperature (see warm-up time in the chapter "Technical data "). The scales must be connected to the power supply (mains connection, rechargeable battery or battery) for this warm-up time.

The accuracy of the balance depends on the local gravitational acceleration. It is essential to observe the instructions in the chapter "Adjustment ".

7 Adjustment

Since the value of gravitational acceleration is not the same everywhere on Earth, every balance must be adjusted to the gravitational acceleration at its location in accordance with the underlying physical weighing principle (only if the balance has not already been adjusted at the factory for its location). This adjustment process must be carried out during initial commissioning, after each change of location and in the event of fluctuations in the ambient temperature. In order to obtain accurate measurements, it is also advisable to adjust the balance periodically during weighing operation.

INFORMATION



- The technical data contains information on the adjustment weights recommended by KERN & SOHN.
- Adjustment weights of other tolerance classes are possible, but not optimal. The accuracy of the adjustment weight must be at least equal to or better than the readability [d] of the balance.
- The maximum load of the balance must not be exceeded during adjustment.
- Information on test weights can be found on the Internet.
- If the value of the adjustment weight is fixed in the menu of your balance, you must use such a weight for adjustment.

NOTE



- ⇒ To ensure accurate adjustment, make sure that the environmental conditions are stable (e.g. avoid vibrations or air currents).
- ⇒ Please note that a warm-up time is required for adjustment so that the balance itself is stabilised. The warm-up time can be found in the technical data.
- ⇒ Ensure that only the calibration weight is hanging on the hook during calibration and that there is no other load.
- ⇒ An error message will be displayed if there is an adjustment error or if the wrong adjustment weight is used. In this case, repeat the adjustment process.

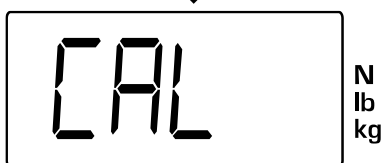
Procedure:



⇒ Switch on the balance



⇒ Press and hold [UNIT]

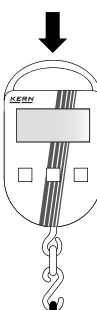


⇒ is displayed

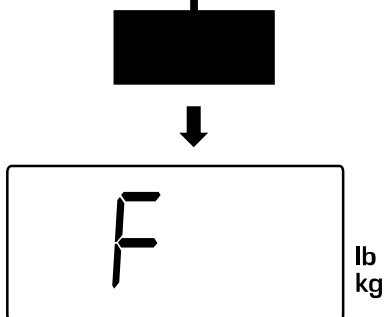
⇒ Release [UNIT]



⇒ Wait until the required calibration weight is displayed

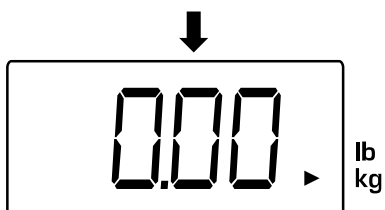


⇒ Attach the adjustment weight



⇒ is displayed

If a different message appears on the display, there may be an error (see chapter "Error messages").



⇒ After adjustment, the balance returns to weighing mode

8 Operation

8.1 Safety instructions for operation

WARNING



Falling loads due to breakage of the load-bearing equipment or misuse



Serious injury or death possible if persons are struck by falling loads

- ⇒ It is essential to observe the instructions in the chapter "General safety information "
- ⇒ When operating the device, pay particular attention to the instructions listed in the safety information under "Safety-conscious working ".
- ⇒ Check the scales for damage and proper functioning before each use.
- ⇒ Never exceed the specified maximum load (Max.) of the scales.

WARNING



Danger from lifting heavy loads

Lifting heavy loads can lead to injuries and permanent impairments (e.g. damage to the spine).

- ⇒ When lifting heavy loads, ensure you maintain the correct posture (back straight, lift from the knees).
- ⇒ Squat down when you want to put the load down again.
- ⇒ Ask another person for help if the load is too heavy for you.

8.2 Loading the scales

Preparation for weighing infants:

- Remove all sharp objects from the surrounding area to ensure the infant's safety.
- Place a soft surface under the scales to weigh the infant comfortably and safely.
- Wrap the infant securely in a weighing cloth and place them on the soft surface.

For good weighing results, please note the following; see illustrations on the next page:

- Do not hang the scales from load-bearing equipment. The scales must be held by hand.
 - Do not pull or push the load or the loaded scales.
 - Do not pull horizontally on the hook.
1. Position the hook of the scales above the infant.
 2. Hang the infant wrapped in the weighing cloth on the hook.
 3. Slowly lift the scales with the infant.

Note: Only lift as far as necessary (just a few centimetres). Never weigh without a support.



Hold the scales with your hand only.



Do not pull or push

Do not pull from the side of the hook

8.3 Switching on/off

Switch on:

- ⇒ Press **[ON/OFF/TARE]**
- ⇒ The display lights up and the scale performs a self-test
- ⇒ Wait until the weight display appears
- ⇒ The scale is now ready for weighing

Switching off:

- ⇒ Press and hold **[ON/OFF/TARE]**
- ⇒ The display switches off

8.4 Tare

Taring:

- ⇒ Hang the weighing cloth on the hook
- ⇒ The weight of the weighing cloth is displayed
- ⇒ Press **[ON/OFF/TARE]**
- ⇒ The display shows zero

Weighing with tare:

- ⇒ Weigh the infant
- ⇒ The net weight is displayed



- After removing the weighing cloth, the weight of the weighing cloth appears as a negative value (minus)
- To delete the tare value, remove the load from the hanging scale and press **[ON/OFF/TARE]**

8.5 Simple weighing

NOTE



- ⇒ It is essential to avoid overloading the balance beyond the specified maximum load (Max.), minus any tare load that may already be present. Doing so could damage the balance.
- ⇒ Exceeding the maximum load is indicated by the display <E>. In this case, remove the load from the scales or reduce the preload.

⇒ Hang the infant with the weighing cloth on the hook.

⇒ Slowly lift the scales with the infant.

Note: Only lift as far as necessary (just a few centimetres). Never weigh without a base.

⇒ The weighing result is displayed

8.6 Switch weighing unit

⇒ Hang the infant with the weighing cloth on the hook

⇒ The weight is displayed

⇒ Press [UNIT]

⇒ The display shows zero



- Each time you press [UNIT], the next weighing unit is displayed.
- The indicator <▶> shows the active weighing unit.

8.7 Data hold function



The various data hold functions are listed in the function menu (see "Overview of the function menu").

Example for setting <H4>:

- ⇒ Select the desired data hold function in the function menu (see chapter 9.2).
- ⇒ The display shows zero
- ⇒ Hang the infant with the weighing cloth on the hook
- ⇒ As soon as a stable weight value is measured, it is frozen
- ⇒ <▲ > indicates that the value is frozen
- ⇒ Press [**HOLD**] to return to weighing mode

8.8 Dynamic weighing

Dynamic weighing allows you to measure infants, animals or samples that move during measurement.



- The weighing cloth/weighing trousers should be tared before weighing.
- If you are using a weighing container, it should be tared before weighing (see chapter 8.4).
- The result is an average value from 16 measurements

- ⇒ Select the function in the function menu (see chapter 9.2).
- ⇒ Hang the item to be weighed on the hook.
- ⇒ Press [**HOLD**].
- ⇒ During the measurement, a countdown appears on the display and <▲ > starts flashing
- ⇒ After the measurement is complete, <▲ > and the weighing result are displayed
- ⇒ Press any key to exit the display

8.9 Peak value function

The peak value function displays the highest load value (peak value) of a weighing. The measurement frequency is 200 ms.

- ⇒ Select the peak value function in the function menu (see chapter 9.2)
- ⇒ Hang the infant on the hook with the weighing cloth
- ⇒ The peak value is indicated by a <▲> in the top left corner of the display
- ⇒ The peak value is displayed for approx. 5 seconds. If a higher peak value is measured during the display, the new value is automatically displayed.

8.10 Additional functions

8.10.1 Zero tracking

Zero tracking automatically compensates for small changes in weight, e.g. due to contamination or temperature changes. The balance then continues to display 0.

When weighing small samples: However, if small amounts of the load are removed or added, this function may cause an incorrect weighing result to be displayed (e.g. liquids flowing out slowly). In this case, the function should be deactivated.



Zero tracking can be activated and deactivated in the setup menu. For information on opening the menu and operating it, refer to the chapter "Menu".

8.10.2 Automatic switch-off function

When the switch-off function is activated: The balance switches off if the keyboard is not pressed and if no weight change has been measured in the last 3 minutes.

The balance must be switched on again to use it.



The automatic switch-off function can be activated and deactivated in the setup menu. For information on opening the menu and operating it, refer to the chapter "Menu".

9 Menu



If no button is pressed in the menus, the scale automatically switches to weighing mode after a short time.

9.1 Navigating the menu

9.1.1 Calling up the function menu

- ⇒ Press and hold **[HOLD]**
- ⇒ The last selected function appears on the display (in this example, **<H !>**)
- ⇒ Release **[HOLD]**

9.1.2 Call up the setup menu

- ⇒ Switch off the balance
- ⇒ First press and hold **[HOLD]**
- ⇒ Additionally, press and hold **[ON/OFF/TARE]**
- ⇒ Release **[HOLD]**
- ⇒ Press **[HOLD]** again and hold it down
- ⇒ Display **<E r>** appears
- ⇒ Release **[HOLD]** and **[ON/OFF/TARE]**

9.1.3 Set and select parameters

Key	Function
	Scroll through menu items
	Activate menu item / confirm selection

9.2 Overview of the function menu

Overview of the function menu:

Setting	Function	Description	Chapter
H1	Data hold function 1	The weight value is frozen for 5 seconds after pressing [HOLD] .	8.7
H2	Data hold function 2	The weight value is frozen after pressing [HOLD] until another key is pressed.	
H3	Data hold function 3	The weight value is automatically frozen for 5 seconds after a stable value is reached.	
H4	Data hold function 4	Weight value is automatically frozen after reaching a stable value until another key is pressed.	
H5	Dynamic weighing	Function for weighing unstable loads.	8.8
H6	Peak value function	Function for detecting the highest load value	8.9

9.3 Overview of the setup menu



Default settings are marked with a *.

Setting	Function	Description	
Er	Zero tracking	Zero tracking	
		ON *	Activated
		OFF	Deactivated
AF	Auto-Off	Automatic switch-off function	
		ON *	Enabled (automatic switch-off after 3 minutes)
		OFF	Deactivated
rSt	Reset	Restore factory settings	
		NO	No
		YES	Yes

10 Cleaning, maintenance and servicing

10.1 Cleaning

WARNING



Short circuit due to liquids entering the interior of the device

Short circuit can lead to fire and serious injury



- ⇒ Do not open the device. There are no parts inside the device that need to be cleaned.
- ⇒ Ensure that rechargeable batteries or batteries do not come into contact with liquids.

NOTE



- ⇒ Do not use aggressive cleaning agents (e.g. solvents), as these will react with the materials and damage them.
- ⇒ Do not use metal brushes or steel wool cleaning pads, as these will damage the surface.
- ⇒ Ensure that no liquid penetrates the device.

Recommended cleaning:

Use a mild cleaning agent such as a standard window cleaner and a soft cloth to clean the device.

10.2 Maintenance and servicing

INFORMATION



Maintenance and servicing may only be carried out by trained specialists.

⚠ WARNING



Inadequate maintenance can lead to breakage of the load-bearing equipment and falling loads.

Falling loads can cause serious injury or death

- ⇒ Have the scale serviced regularly by trained specialists with in-depth knowledge of handling hanging scales.
 - ⇒ Observe the maintenance work specified in the chapter "Maintenance table".
 - ⇒ Observe the national accident prevention regulations and the operator's work, operating and safety regulations.
-

- Maintenance must be carried out in accordance with the chapter "Maintenance table".
- Maintenance may only be carried out by trained specialists with in-depth knowledge of handling hanging scales. National accident prevention regulations and the operator's work, operating and safety regulations must be observed.
- Only use suitable testing equipment/feeler gauges to check the dimensions.
- The load-bearing equipment must be cleaned before testing.

10.2.1 Test equipment monitoring

As part of quality assurance, the metrological properties of the balance and any test weights must be checked at regular intervals. The responsible user must define a suitable interval for this as well as the type and scope of this test. Information regarding the test equipment monitoring of scales and the test weights required for this is available on the KERN website. [Test weights and scales](#) can be calibrated quickly and cost-effectively at KERN's accredited calibration laboratory (traceable to the national standard).

10.2.2 Maintenance table

Regular maintenance:

Interval	Maintenance
Before each use	Check that the slings are in perfect working order
Initial commissioning, then every 3 months	Check the scale and slings (e.g. hooks, handles) for wear, such as plastic deformation, mechanical damage (unevenness), notches, grooves, cracks, corrosion, thread damage and twisting.
Every 12 months	Plastic parts such as the handle must be visually inspected
Load-bearing equipment must not be used under any circumstances in the following cases: - If deviations are found during the inspections defined in the maintenance schedule. - If the type plate is missing. - If the maximum load (Max.) is not recognisable. - If load-bearing equipment is known to be overloaded or subject to other damaging influences. In this case, the load-bearing equipment must be taken out of service and may only be used again after a successful inspection.	

11 Disposal



Old devices and accessories do not belong in household waste.

The disposal of packaging and equipment must be carried out by the operator in accordance with the applicable national or regional law of the user location.

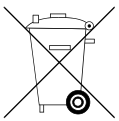
The device consists of various components and materials, such as:

- Electronic components (circuit boards, electrical cables)
- Plastic (housing)
- Metal (hooks)

Improper disposal of the device can have harmful effects on humans and the environment.

Proper and environmentally friendly disposal can prevent harmful effects and allow raw materials to be recovered.

Disposal of rechargeable and non-rechargeable batteries:



Rechargeable batteries and batteries do not belong in household waste.

The disposal of rechargeable and non-rechargeable batteries must be carried out by the operator in accordance with the applicable national or regional laws of the user location.

INFORMATION



The following information applies to the United Kingdom.

In connection with the sale of batteries and rechargeable batteries, we as a retailer are obliged under the Battery Act to inform end users of the following:

- End users are legally obliged to return used batteries and rechargeable batteries.
- Batteries and rechargeable batteries can be returned free of charge to municipal collection points or retailers after use. The batteries/rechargeable batteries must have reached the end of their normal service life, otherwise precautions must be taken to prevent short circuits.
- The return option is limited to batteries and rechargeable batteries of the type that we carry or have carried in our range, as well as to the quantity that end users normally dispose of.
- A crossed-out wheelie bin means that you must not dispose of the batteries or rechargeable batteries in your household waste under any circumstances. Old batteries or rechargeable batteries may contain harmful substances which, if not disposed of properly, can harm people and the environment.



12 Warranty

The warranty claim only applies to defects that were already present at the time of purchase.

The warranty shall expire in the event of

- Failure to observe our instructions in the operating manual
- Use outside the described applications
- Improper use
- Modification or opening of the device
- Mechanical damage and damage caused by media/liquids
- Natural wear and tear
- Improper installation or electrical installation
- Overloading of the measuring mechanism
- Dropping the scales

13 Errors and malfunctions

13.1 Error messages

Error message	Explanation
LO	Battery capacity exhausted
E	Overload

13.2 Malfunctions

In the event of a malfunction in the programme sequence, the balance should be switched off briefly and disconnected from the power supply. The weighing process must then be restarted from the beginning.

Malfunction	Possible cause
The display is not lit	• The balance is not switched on. • The battery has not been inserted. • The battery is empty.
The scales cannot be switched on	• Battery is empty or defective • [ON/OFF/TARE] defective • [ON/OFF/TARE] not pressed correctly
The display does not respond to load changes	• Load cell defective • Load cell wiring defective
The weight display changes continuously	• Draught/air movement • Vibrations on the hook • Attached load moves • The hook is in contact with foreign objects • Electromagnetic fields/static charge (choose a different installation location/switch off interfering devices if possible) • Load cell defective
The weighing result is obviously incorrect	• The scale display is not at zero when the scale is unloaded • The adjustment was carried out with an incorrect or inaccurate adjustment weight • Incorrect weighing unit selected • There are significant temperature fluctuations. • Electromagnetic fields / static charge (choose a different installation location / switch off interfering devices if possible)

A1 Declaration of conformity

INFORMATION



- Further languages of the current EC/EU declaration of conformity can be found online.
- For calibrated scales (= conformity-assessed scales), the conformity assessment is included in the scope of delivery.