

KERN & Sohn GmbH

Ziegelei 1 D-72336 Balingen E-Mail: info@kern-sohn.com Phone: +49-[0]7433- 9933-0 Fax: +49-[0]7433-9933-149 Internet: www.kern-sohn.com

Operating manual Platform/floor scales



EOB / EOE / EOS-BA-e-2442



KERN EOB / EOE / EOS

Version 4.2 2024-10

Operating instructions Platform/floor scales

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1 Technical data

KERN	EOB 15K5	EOB 35K10	EOB 60K20	EOB 60K20L
Item no./ Type	EOB 10K-3B	EOB 30K-2B	EOB 60K-2B	EOB 60K-2LB
Readability (d)	0.005 kg	0.01 kg	0.02 kg	0.02 kg
Weighing range (max)	15 kg	35 kg	60 kg	60 kg
Taring range (subtractive)	15 kg	35 kg	60 kg	60 kg
Reproducibility	0.005 kg	0.01 kg	0.02 kg	0.02 kg
Linearity	± 0.01 kg	± 0.02 kg	± 0.04 kg	± 0.04 kg
Stabilization time (typical)		3	3 s	
Smallest part weight for piece counting - under lab conditions*	5 g	10 g	20 g	20 g
Smallest part weight for piece counting - under normal conditions**	50 g	100 g	200 g	200 g
Adjustment points	10 kg	20 kg	40 kg	40 kg
Recommended adjustment weight, not added (class)	10 kg (M2)	20 kg (M2)	40 kg (M2)	40 kg (M2)
Warm-up time		10	min	
Weighing Units		Kg, II	o, PCS	
Humidity of air	max. 80% rel. (non-condensing)			
Allowable ambient temperature	+ 5°C+ 35°C			
Input voltage Appliance	9 V, 100 mA			
Input voltage Mains adapter	100 C – 240 V, 50 / 60 Hz			
Batteries (option)	4x 1.5 V AA			
Dimensions of display device	235 x 114 x 51 mm			
Dimensions of weighing platform	315 x 305 x 57 mm 550 x 550 x 58 mm			
Net weight (kg)	3.8 kg 13 kg			

KERN	EOB 150K50	EOB 150K-50L	EOB 150K50XL
Item no./ Type	EOB 100K-2B	EOB 100K-2LB	EOB 100K-2XLB
Readability (d)	0.05 kg	0.05 kg	0.05 kg
Weighing range (max)	150 kg	150 kg	150 kg
Taring range (subtractive)	150 kg	150 kg	150 kg
Reproducibility	0.05 kg	0.05 kg	0.05 kg
Linearity	± 0.1 kg	± 0.05 kg	± 0.1 kg
Stabilization time (typical)		3 s	
Smallest part weight for piece counting - under lab conditions*	50 g	50 g	50 g
Smallest part weight for piece counting - under normal conditions**	500 g	500 g	500 g
Adjustment points	100 kg	100 kg	100 kg
Recommended adjustment weight, not added (class)	100 kg (M2)	100 kg (M2)	100 kg (M2)
Warm-up time		10 min	
Weighing Units	Kg, Ib, PCS		
Humidity of air	max. 80% rel. (non-condensing)		
Allowable ambient temperature	+ 5°C+ 35°C		
Input voltage Appliance	9 V, 100 mA		
Input voltage Mains adapter	100 C – 240 V, 50 / 60 Hz		
Batteries (option)	4x 1.5 V AA		
Dimensions of display device	235 x 114 x 51 mm		
Dimensions of weighing platform	315 x 305 x 57 mm	550 x 550 x 58 mm	950 x 500 x 58 mm
Net weight (kg)	3.8 kg	13 kg	17 kg

KERN	EOB 300K100A	EOB 300K100L	EOB 300K100XL
Item no./ Type	EOB 300K-1B	EOB 300K-1LB	EOB 300K-1XLB
Readability (d)	0.1 kg	0.1 kg	0.1 kg
Weighing range (max)	300 kg	300 kg	300 kg
Taring range (subtractive)	300 kg	300 kg	300 kg
Reproducibility	0.1 kg	0.1 kg	0.1 kg
Linearity	± 0.2 kg	± 0.2 kg	± 0.2 kg
Stabilization time (typical)		3 s	
Smallest part weight for piece counting - under lab conditions*	100 g	100 g	100 g
Smallest part weight for piece counting - under normal conditions**	1000 g	1000 g	1000 g
Adjustment points	300 kg	300 kg	300 kg
Recommended adjustment weight, not added (class)	200 kg (M2)	200 kg (M2)	200 kg (M2)
Warm-up time	10 min		
Weighing Units		Kg, lb, PCS	
Humidity of air	max. 80% rel. (non-condensing)		
Allowable ambient temperature	+ 5°C+ 35°C		
Input voltage Appliance	9 V, 100 mA		
Input voltage Mains adapter	100 C – 240 V, 50 / 60 Hz		
Batteries (option)	4x 1.5 V AA		
Dimensions of display device	235 x 114 x 51 mm		
Dimensions of weighing platform	315 x 305 x 57 mm	550 x 550 x 58 mm	950 x 500 x 58 mm
Net weight (kg)	3.8 kg	13 kg	17 kg

KERN	EOE 10K-3	EOE 30K-2	EOE 60K-2
Item no./ Type	EOE 10K-3B	EOE 30K-2B	EOE 60K-2B
Readability (d)	0.005 kg	0.01 kg	0.02 kg
Weighing range (max)	15 kg	35 kg	60 kg
Taring range (subtractive)	15 kg	35 kg	60 kg
Reproducibility	0.005 kg	0.01 kg	0.02 kg
Linearity	± 0.2 kg	± 0.2 kg	± 0.2 kg
Stabilization time (typical)		3 s	
Smallest part weight for piece counting - under lab conditions*	5 g	10 g	20 g
Smallest part weight for piece counting - under normal conditions**	50 g	100 g	200 g
Adjustment points	300 kg	300 kg	300 kg
Recommended adjustment weight, not added (class)	200 kg (M2)	200 kg (M2)	200 kg (M2)
Warm-up time	10 min		
Weighing Units		Kg, lb, PCS	
Humidity of air	max. 80% rel. (non-condensing)		nsing)
Allowable ambient temperature	+ 5°C+ 35°C		
Input voltage Appliance	9 V, 100 mA		
Input voltage Mains adapter	100 C – 240 V, 50 / 60 Hz		
Batteries (option)		4x 1.5 V AA	
Dimensions of display device	235 x 114 x 51 mm		
Dimensions of weighing platform	315 x 305 x 57 mm	550 x 550 x 58 mm	950 x 500 x 58 mm
Net weight (kg)	3.8 kg	13 kg	17 kg

KERN	EOE 60K-2L	EOE 100K-2	EOE 150K50L
Item no./ Type	EOE 60K-2LB	EOE 100K-2B	EOE 100K-2LB
Readability (d)	0.02 kg	0.05 kg	0.05 kg
Weighing range (max)	60 kg	150 kg	150 kg
Taring range (subtractive)	60 kg	150 kg	150 kg
Reproducibility	0.02 kg	0.05 kg	0.05 kg
Linearity	± 0.04 kg	± 0.1 kg	± 0.1 kg
Stabilization time (typical)	2	2.5 s	3 s
Smallest part weight for piece counting - under lab conditions*	20 g	50 g	50 g
Smallest part weight for piece counting - under normal conditions**	200 g	500 g	500 g
Adjustment points	40 kg	100 kg	100 kg
Recommended adjustment weight, not added (class)	40 kg (M2)	100 kg (M2)	100 kg (M2)
Warm-up time		10 min	
Weighing Units		Kg, lb, PCS	
Humidity of air	I	max. 80% rel. (non-conde	nsing)
Allowable ambient temperature	+ 5°C+ 35°C		
Input voltage Appliance	9 V, 100 mA		
Input voltage Mains adapter	100 C – 240 V, 50 / 60 Hz		
Batteries (option)	4x 1.5 V AA		
Dimensions of display device	235 x 114 x 51 mm		
Dimensions of weighing platform	550 x 550 x 58 mm	315 x 305 x 57 mm	550 x 550 x 58 mm
Net weight (kg)	14 kg	4 kg	14 kg

KERN	EOE 150K50XL	EOE 300K100	EOE 300K100L
Item no./ Type	EOE 100K-2XLB	EOE 300K-1B	EOE 300K-1LB
Readability (d)	0,05 kg	0,1 kg	0,1 kg
Weighing range (max)	150 kg	300 kg	300 kg
Taring range (subtractive)	150 kg	300 kg	300 kg
Reproducibility	0,05 kg	0,1 kg	0,1 kg
Linearity	0,1 kg	0,2 kg	0,2 kg
Stabilization time (typical)		3 s	
Smallest part weight for piece counting - under lab conditions*	50 g	100 g	100 g
Smallest part weight for piece counting - under normal conditions**	500 g	1000 g	1000 g
Adjustment points	100 kg	300 kg	300 kg
Recommended adjustment weight, not added (class)	100 kg (M2)	200 kg (M2)	200 kg (M2)
Warm-up time	10 min		
Weighing Units		Kg, Ib, PCS	
Humidity of air	max. 80% rel. (non-condensing)		nsing)
Allowable ambient temperature	+ 5°C+ 35°C		
Input voltage Appliance	9 V, 100 mA		
Input voltage Mains adapter	100 C – 240 V, 50 / 60 Hz		
Batteries (option)	4x 1.5 V AA		
Dimensions of display device		235 x 114 x 51 mm	
Dimensions of weighing platform	950 x 500 x 58 mm	315 x 305 x 57 mm	550 x 550 x 58 mm
Net weight (kg)	18 kg	4 kg	14 kg

KERN	EOE 300K100XL	
Item no./ Type	EOE 300K-1XLB	
Readability (d)	0,1 kg	
Weighing range (max)	300 kg	
Taring range (subtractive)	300 kg	
Reproducibility	0,1 kg	
Linearity	0,2 kg	
Stabilization time (typical)	3 s	
Smallest part weight for piece counting - under lab conditions*	100 g	
Smallest part weight for piece counting - under normal conditions**	1000 g	
Adjustment points	300 kg	
Recommended adjustment weight, not added (class)	200 kg (M2)	
Warm-up time	10 min	
Weighing Units	Kg, Ib, PCS	
Humidity of air	max. 80% rel. (non-condensing)	
Allowable ambient temperature	+ 5°C+ 35°C	
Input voltage Appliance	9 V, 100 mA	
Input voltage Mains adapter	100 C – 240 V, 50 / 60 Hz	
Batteries (option)	4x 1.5 V AA	
Dimensions of display device	235 x 114 x 51 mm	
Dimensions of weighing platform	950 x 500 x 58 mm	
Net weight (kg)	18 kg	

KERN	EOS 150K50XL	EOS 300K100XL	
Item no./ Type	EOS 100K-2XLB	EOS 300K-1XLB	
Readability (d)	0,05 kg	0,1 kg	
Weighing range (max)	150 kg	300 kg	
Taring range (subtractive)	150 kg	300 kg	
Reproducibility	0,05 kg	0,1 kg	
Linearity	0,1 kg	0,2 kg	
Stabilization time (typical)		3 s	
Smallest part weight for piece counting - under lab conditions*	50 g	100 g	
Smallest part weight for piece counting - under normal conditions**	500 g	1000 g	
Adjustment points	100 kg	300 kg	
Recommended adjustment weight, not added (class)	100 kg (M2)	200 kg (M2)	
Warm-up time	1() min	
Weighing Units	Kg, Ib, PCS		
Humidity of air	max. 80% rel. (non-condensing)		
Allowable ambient temperature	+ 5°C+ 35°C		
Input voltage Appliance	9 V, 100 mA		
Input voltage Mains adapter	100 C – 240 V, 50 / 60 Hz		
Batteries (option)	4x 1.5 V AA		
Dimensions of display device	235 x 114 x 51 mm		
Dimensions of weighing platform	950 x 500 x 58 mm		
Net weight (kg)	19 kg		

2 Declaration of conformity

The current EC/EU Conformity declaration can be found online in:



3 Appliance overview Models EOB

Weighing pan, stainless steel



Models EOE

Weighing pan varnished steel



Models EOS

- Weighing pan, stainless steel
- Anti-slip rubber mat

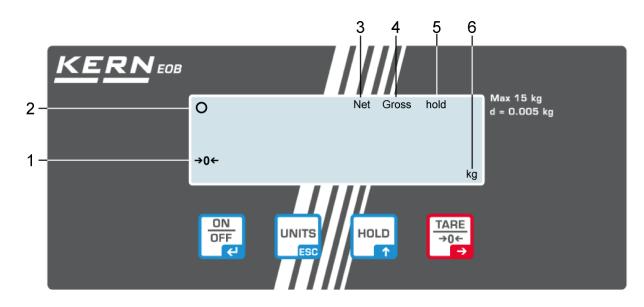


Comfortable transport due to 2 rollers and 1 grab handle



3.1 Overview of display

Example EOB:



Nr.	Description
1	Balance zero display: Should the balance not display exactly zero despite empty scale pan, press the TARE button. The balance will be set to zero after a short standby time.
2	Stability display: If the display shows the stability display [0] the balance is in a stable status. If the status is instable the [0] display disappears.
3	Stored tare value, see chap. 8.3 "Taring"
4	Gross weight display: If the gross weight [Gross] appears in the display, the gross weight of the object and weighing container are displayed.
5	Hold/animal weighing function active, see chap. 8.4
6	Weighing unit [kg 与 Ib]

3.2 Keyboard overview

Button	Function
	Turn on/off balance
HOLD	Hold/ animal weighing function
TARE →0€ →	Tare balance
	Switch-over weighing unit Back to weighing mode, or to menu

4 Basic Information (General)

4.1 Proper use

The balance you purchased is intended to determine the weighing value of material to be weighed. It is intended to be used as a "non-automatic balance", i.e. the material to be weighed is manually and carefully placed in the centre of the weighing pan. As soon as a stable weighing value is reached the weighing value can be read.

4.2 Improper Use

- Our balances are non-automatic balances and not provided for use in dynamic weighing processes. However, the balances can also be used for dynamic weighing processes after verifying their individual operative range, and here especially the accuracy requirements of the application.
- Do not leave permanent load on the weighing plate. This may damage the measuring system.
- Impacts and overloading exceeding the stated maximum load (max) of the balance, minus a possibly existing tare load, must be strictly avoided. Balance may be damage by this.
- Never operate the balance in explosive environment. The serial version is not explosion protected.
- The structure of the balance may not be modified. This may lead to incorrect weighing results, safety-related faults and destruction of the balance.
- The balance may only be used according to the described conditions. Other areas of use must be released by KERN in writing.

4.3 Warranty

Warranty claims shall be voided in case

- Our conditions in the operation manual are ignored
- The appliance is used outside the described uses
- The appliance is modified or opened
- Mechanical damage or damage by media, liquids, natural wear and tear
- The appliance is improperly set up or incorrectly electrically connected
- The measuring system is overloaded

4.4 Monitoring of Test Resources

In the framework of quality assurance the measuring-related properties of the balance and, if applicable, the testing weight, must be checked regularly. The responsible user must define a suitable interval as well as type and scope of this test. Information is available on KERN's home page (<u>www.kern-sohn.com</u>) with regard to the monitoring of balance test substances and the test weights required for this. In KERN's accredited DKD calibration laboratory test weights and balances may be calibrated (return to the national standard) fast and at moderate cost.

5 Basic Safety Precautions

5.1 Pay attention to the instructions in the Operation Manual



Carefully read this operation manual before setup and commissioning, even if you are already familiar with KERN balances.

5.2 Personnel training

The appliance may only be operated and maintained by trained personnel.

6 Transport and storage

6.1 Testing upon acceptance

When receiving the appliance, please check packaging immediately, and the appliance itself when unpacking for possible visible damage.

6.2 Packaging / return transport



- ⇒ Keep all parts of the original packaging for a possibly required return.
- ⇒ Only use original packaging for returning.
- ⇒ Prior to dispatch disconnect all cables and remove loose/mobile parts.
- ⇒ Reattach possibly supplied transport securing devices.
- ⇒ Secure all parts such as the glass wind screen, the weighing pan, power unit etc. against shifting and damage.

7 Unpacking, Setup and Commissioning

7.1 Installation Site, Location of Use

The balances are designed in a way that reliable weighing results are achieved in common conditions of use.

You will work accurately and fast, if you select the right location for your balance.

Therefore, observe the following for the installation site:

- Place the balance on a firm, level surface;
- Avoid extreme heat as well as temperature fluctuation caused by installing next to a radiator or in the direct sunlight;
- Protect the balance against direct draughts due to open windows and doors;
- Avoid jarring during weighing;
- Protect the balance against high humidity, vapours and dust;
- Do not expose the device to extreme dampness for longer periods of time. Non-permitted condensation (condensation of air humidity on the appliance) may occur if a cold appliance is taken to a considerably warmer environment. In this case, acclimatize the disconnected appliance for ca. 2 hours at room temperature.
- Avoid static charge of goods to be weighed or weighing container.

If electro-magnetic fields or static charge occur, or if the power supply is unstable major deviations on the display (incorrect weighing results) are possible. In that case, the location must be changed.

7.2 Unpacking and placing

Open package, take out the appliance and accessories. Verify that there has been no damage and that all packing items are present.

The balance must be installed in a way that the weighing pan is exactly in horizontal position.

Mount the display unit in a way that facilitates operation and where it is easy to see.

7.2.1 Scope of delivery / serial accessories

- Platform and display unit, see chap. 2
- Mains adapter
- 4 x adjustable feet
- Wall fixture (with fixing screws)
- Operating manual

7.3 Mains connection



Select a country-specific power plug and insert it in the power unit.



Check, whether the voltage acceptance on the scales is set correctly. Do not connect the scales to the power grid unless the information on the scales (sticker) matches the local mains voltage.

Only use KERN original mains adapter. Using other makes requires consent by KERN.



Important:

- Before starting your weighing balance, check the mains cable for damage.
- > Ensure that the power unit does not come into contact with liquids.
- > Ensure access to power plug at all times.

7.4 Battery operation

On the rear side of the display unit remove the battery cover and connect $4 \times 1.5V$ mignon cells. Reinsert the battery cover.

In order to save the battery, the balance switches automatically off after 3 minutes without weighing. Additional switch-off times can be set in the menu (function "A.OFF").

If the batteries are depleted, the battery symbol $\overset{+}{\blacktriangleright}$ is displayed. Switch-off balance and replace batteries at once.

If the balance is not used for a longer time, take out the batteries and store them separately. Leaking battery liquid could damage the balance.

7.5 Initial Commissioning

In order to obtain exact results with the electronic balances, your balance must have reached the operating temperature (see warming up time chap. During this warming up time the balance must be connected to the power supply (mains, accumulator or battery).

The accuracy of the balance depends on the local acceleration of gravity. Strictly observe hints in chapter Adjustment.

8 Adjustment

As the acceleration value due to gravity is not the same at every location on earth, each balance must be coordinated - in compliance with the underlying physical weighing principle - to the existing acceleration due to gravity at its place of location (only if the balance has not already been adjusted to the location in the factory). This adjustment process must be carried out for the first commissioning, after each change of location as well as in case of fluctuating environment temperature. To receive accurate measuring values it is also recommended to adjust the balance periodically in weighing operation.

Observe stable environmental conditions. A warming up time (see chapter 1) is required for stabilization.

Press and Hold at the same time in weighing mode. [ECF 1] is displayed.	E[F
(The adjustment process can be exited at any time with then to weighing mode.)	
Confirm display of [ECF 1] with CONFF. [CAL Z] is displayed.	[81 2
Acknowledge with Acknowledge with Locadian for the second provide the second provided adjustment weight is displayed (see chap. 1 "Technical data") The left digit flashes. Enter the value of the adjustment weight as follows: Switch to the next digit to the right with Locadian for the second provided to the right with Locadian for the second provided to t	 ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓

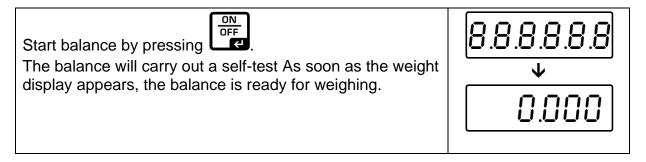
The specified adjustment weight is displayed flashing.	(example)
Place the adjustment weight centrically on the weighing pan and confirm with . "CAL Y" will flash briefly and a signalling tone will sound. Adjustment will be performed. Then the balance returns automatically into the weighing mode.	[81 9

An error message will be displayed in the event of an adjustment error or incorrect adjustment weight. Remove the adjustment weight and repeat the adjustment process.

Keep the adjustment weight close to the balance. Daily control of the weighing exactness is recommended for quality-relevant applications.

9 Operation

9.1 Start-up



Should the balance not display exactly zero despite empty weighing pan, press the $\frac{TARE}{206}$

button. The balance will be set to zero after a short standby time.

9.2 Switching Off

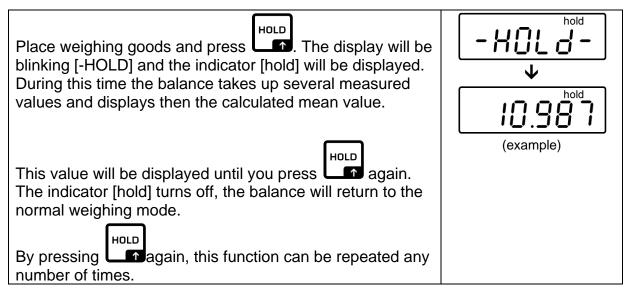
Switch off balance with CFF, the display will go off.	0.000

9.3 Taring

Place an empty weighing container, the weight of the weighing container will be displayed.	0.500
Press , the zero display appears. The indicator [NET] is displayed. The tare weight is saved until it is deleted.	
 Weigh the material, the net weight will be indicated. The taring process can be repeated any number of times, e.g. when adding several components for a mixture (adding). The limit is reached when the whole weighing range is exhausted. After removing the weighing container, the weight of 	7 .000
the weighing container appears as negative display. The tare weight is saved until it is deleted.	
Delete tare value: Unload the balance and press , zero display will appear.	0.000

9.4 Hold function (animal weighing function)

The balance has an integrated animal weighing function (mean value calculation). Using this function it is possible to weigh domestic or small animals exactly (min. load 1% of the max. one), although they do not stand quiet on the weighing pan.



1 There is no average value calculation in the event of too much movement (heavy display oscillation).

9.5 Parts counting

Before it is possible to determine the number of pieces by means of the scales, it is necessary to specify the average piece weight (unit weight), the so-called reference value. In order to do it, one shall place the specific number of pieces being counted up. By means of the scales, the total mass shall be determined which then will be divided by the number of pieces (the so-called reference pieces). Afterwards, based on the calculated average piece weight, counting up shall be carried out.

The greater the number of reference pieces, the higher the accuracy of counting up.
oouning up.

In the weighing module, by means of button, set "Pcs" unit. The scales is now in the module allowing to determine the number of pieces.	P cs
Keep pushing button until the display shows "C00000". The value after the comma blinks. The number of reference pieces may be entered in the way described below: • HOLD • Increasing the numerical value • TARE • Moving on to the next value after comma • Confirmation of the entered number of reference pieces	
Enter the number of reference pieces in the way described above. Here, for example 100 pieces. The flashing digit indicates your current location.	(example)
Place the pieces to be counted up on the scales and confirm by means of pushing button. The number of pieces shall be displayed.	

9.6 Totalising function

The scales have a totalising function. This allows the weight values of different goods to be added together. This is useful, for example, to determine the total load of several parcels.

Activate the totalising function in the menu. Then exit the menu with .	AC on + ACC 0 + 0.000 +
Place the first item to be weighed and keep pressed until <acc 1=""> is displayed. The weight is added.</acc>	
Release the weighing plate and place the next item to be weighed on it.	► ► ↓

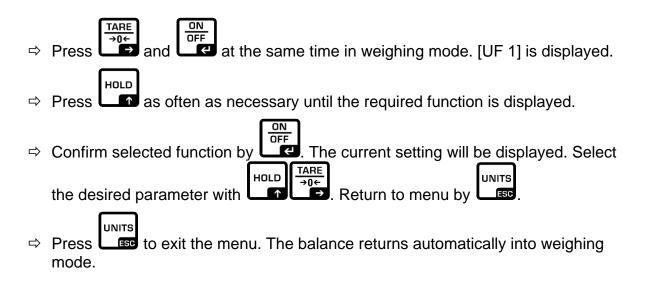
Before a new load can be added, the load plate must be unloaded and the scale must perform a zero setting.

Delete totalling memory:

Relieve the load on the scales.	
In weighing mode, press and hold until <acc> is displayed first and then the flashing total. Release the button.</acc>	REE 5 (example) ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓
Press . The totalling memory is now deleted.	, \ // □2.85., / \ \ • 0.000

10 Menu

10.1 Navigation in the menu



10.2 Menu overview

UF-I	- 1630 (example)	Internal value not documented
[]][Roff ID .	Auto-Off
		Automatic shutdown function
		Can be set between 1-99 minutes
[]][]		Display background illumination
		Adjustable:
	Lik on	Background lighting on
	Lit off	Background lighting off
	L, E 8 .	Backlight automatically off

UF - 4		Hold function (animal Adjustable:	weighing function)
	H9 509	Average value is calcul weighing conditions from	
	Hd Sd	Average value is calcul weighing conditions from	
	H9 109*	Average value is calcul weighing conditions from	
UF - 5	4	Auto Zero Adjustable:	
	22 5	ZP 0 *	Auto Zero: Off
		ZP 1	• 0.5 d/s
		ZP 2	• 1 d/s
		ZP 3	• 2 d/s
		ZP 4	• 3 d/s
		ZP 5	• 5 d/s
UF-6	9.79450 .	G-value (value of the lacceleration) Adjustable	local gravitational
UF-7		Summing function	
	AC on	Summing function on	
	AC off	Summing function off	



Factory settings are marked by *.

11 Servicing, maintenance, disposal

11.1 Cleaning

Before cleaning, disconnect the appliance from the operating voltage.

Please do not use aggressive cleaning agents (solvents or similar agents), but a cloth dampened with mild soap suds. Take care that the device is not penetrated by fluids and polish it with a dry soft cloth.

Loose residue sample/powder can be removed carefully with a brush or manual vacuum cleaner.

Spilled weighing goods must be removed immediately.

11.2 Servicing, maintenance

The appliance may only be opened by trained service technicians who are authorized by KERN.

Before opening, disconnect from power supply.

11.3 Disposal

Disposal of packaging and appliance must be carried out by operator according to valid national or regional law of the location where the appliance is used.

12 Error messages, troubleshooting guide

Error message	Function	
hhhhhh	Overload	
LLLLL	Minimum weight under min. value	

In case of an error in the program process, briefly turn off the balance and disconnect from power supply. The weighing process must then be restarted from the beginning.

Help:

Fault	Possible cause
The displayed weight does not glow.	 The balance is not switched on.
The displayed weight does not glow.	• The balance is not switched on.
	• The mains supply connection has been interrupted (mains cable not plugged in/faulty).
	• Power supply interrupted.
The displayed weight is permanently changing	Draught/air movement
	Table/floor vibrations
	 The weighing pan is in contact with foreign matter.
	 Electromagnetic fields / static charging (choose different location/switch off interfering device if possible)

The weighing value is obviously wrong

- The display of the balance is not at zero
- Adjustment is no longer correct.
- The balance is on an uneven surface.
- Great fluctuations in temperature.
- Electromagnetic fields / static charging (choose different location/switch off interfering device if possible)

Should other error messages occur, switch balance off and then on again. If the error message remains inform manufacturer.