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Operating instructions

Baby scales

KERN MBF

Version 1.0

2025-07

en



TMBF-A-BA-e-2510



KERN MBF

Version 1.0 2025-07

Baby scale operating instructions

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1 Technical data

KERN	MBF 100K-2
Item number / type	TMBF 100K-2-A
Readability (d)	0.01 kg / 0.05 kg
Weighing range (max)	20 kg / 100 kg
Reproducibility	0.03 kg
Linearity	0.05 kg
Weighing units	kg / lb
Settling time (typical)	2 seconds
Warm-up time	10 min
Operating temperature	5-35 °C
Auto-Off	after 15 sec.
Power supply	Battery operation 3 x 1.5V, size AAA Operating time 51 h
Air humidity	max. 80 % (non-condensing)
Weight kg (net)	1.6 kg

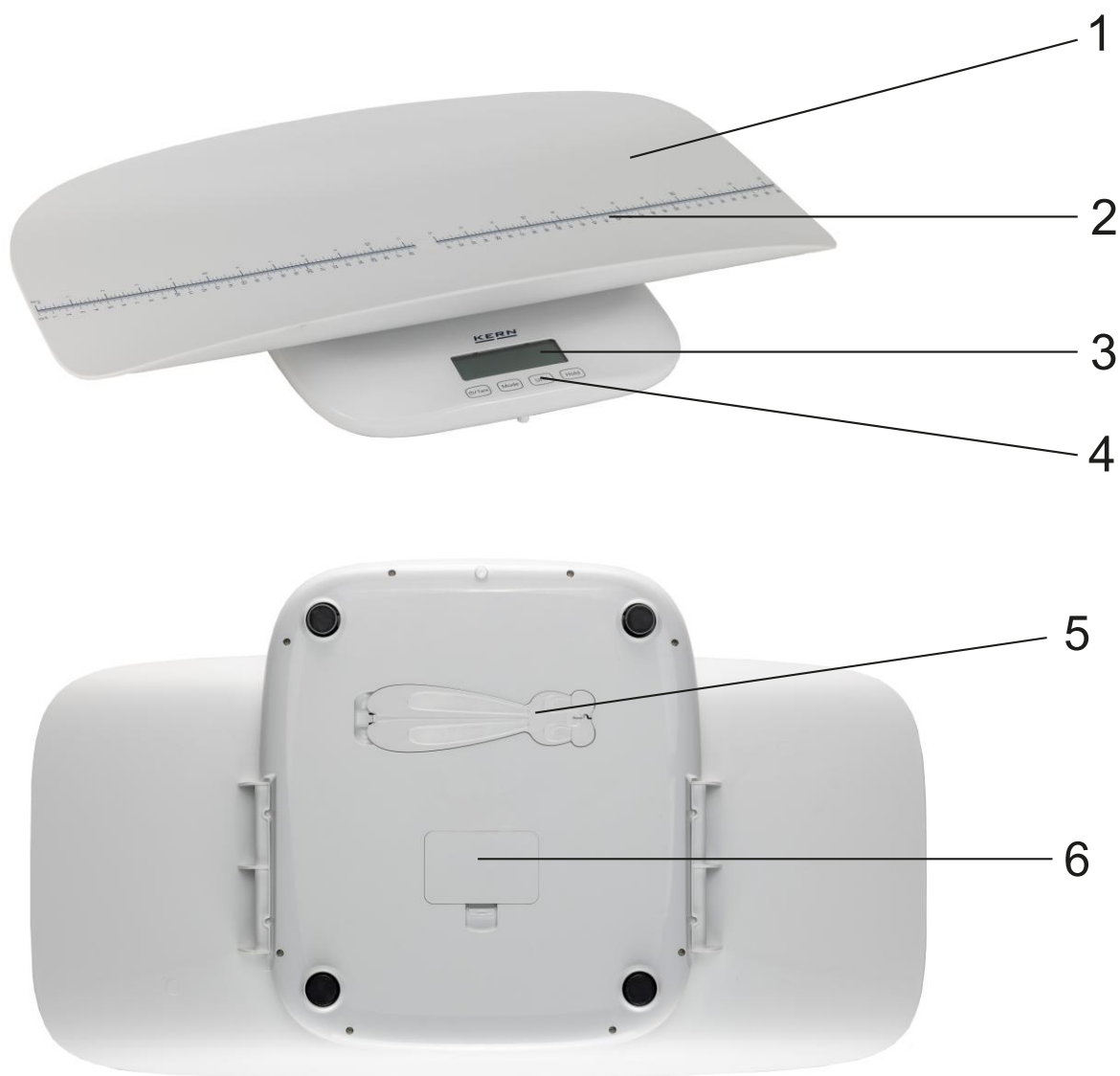
2 Declaration of Conformity

You can find the current EC/EU Declaration of Conformity online at

www.kern-sohn.com/ce

3 Device overview

3.1 Components



Pos.	Description of the
1	Weighing plate
2	Size measuring scale
3	Display
4	Keys
5	Plastic stick to soothe the baby
6	Battery compartment

3.2 Keys



On/TARE	Switch the scales on / off or tare them
Mode	Change operating mode
Unit	Change weighing unit between kg and g
Hold	Hold the displayed weight value

4 Basic information (general)

4.1 Intended use

This scale is used to determine the weight of babies lying down, for private use. Use of this scale in the medical field is not permitted.

The baby must be placed on the weighing plate for the weighing process. Once a stable weight value has been reached, the result can be read off.

Before each use, the scales must be checked for proper condition by a person familiar with proper handling.

Additional information for baby scales:

Baby scales are designed to weigh children lying down. If children are weighed sitting up, they should be placed in the centre of the weighing pan.



Babies on the weighing pan must be kept under constant observation to prevent them from falling out. Follow the instructions on the weighing tray!



4.2 Improper use

- Do not leave a permanent load on the weighing plate. This can damage the measuring mechanism.
- Avoid shocks and overloading the scales above the specified maximum load (Max), minus any tare load already present. This can damage the scales.
- Never operate the scales in potentially explosive atmospheres. The standard version is not explosion-proof.
- The scale must not be modified in any way. This can lead to incorrect weighing results, safety-related defects and the destruction of the scale.
- The scale may only be used in accordance with the specifications described. Deviating areas of use/application must be approved in writing by KERN.

4.3 Guarantee

Warranty expires with

- Non-compliance with our specifications in the operating instructions
- Use outside the described applications
- Modifying or opening the device
- Mechanical damage, and damage caused by media, liquids
- natural wear and tear
- Improper installation or electrical installation
- Overload of the measuring unit
- Fallen Load on the scales

4.4 Test equipment monitoring

As part of quality assurance, the metrological properties of the scales and any test weights must be checked at regular intervals. The responsible user must define a suitable interval as well as the type and scope of this check. Information on the monitoring of test equipment for balances and the test weights required for this is available on the KERN website (www.kern-sohn.com). KERN's accredited DKD calibration laboratory can calibrate test weights and scales quickly and cost-effectively (traceability to the national standard).

5 Basic safety instructions

5.1 Observe the notes in the operating instructions

Please read these operating instructions carefully before installation and commissioning, even if you already have experience with KERN scales.

6 Transport and storage

6.1 Control on takeover

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

6.2 Packaging



- ⇒ Keep all parts in the original packaging for any necessary return transport.
- ⇒ Only the original packaging is to be used for return transport.
- ⇒ Disconnect all connected cables and loose/movable parts before despatch.
- ⇒ Refit any transport locks provided.
- ⇒ Secure all parts, e.g. weighing pan, power supply unit, etc. against slipping and damage.

7 Unpacking, installation and commissioning

7.1 Installation site, place of use

The scales are designed to achieve reliable weighing results under normal operating conditions.

You can work accurately and quickly if you choose the right location for your scales.

Please note the following at the installation site:

- Place the scales on a stable, level surface;
- Avoid extreme heat and temperature fluctuations, e.g. by placing next to the heating or direct sunlight;
- Protect the scales from direct draughts through open windows and doors;
- Avoid vibrations during weighing;
- Protect the scales from high humidity, vapours and dust;
- Do not expose the appliance to high humidity for long periods of time. Unauthorised condensation (condensation of humidity on the appliance) can occur if a cold appliance is brought into a much warmer environment. In this case, acclimatise the appliance disconnected from the mains for approx. 2 hours at room temperature.
- Avoid static charging of the scales and the person being weighed.
- Avoid contact with water

If electromagnetic fields, static charges or an unstable power supply occur, large display deviations (incorrect weighing results) are possible. The location must then be changed.

7.2 Au spacken and check

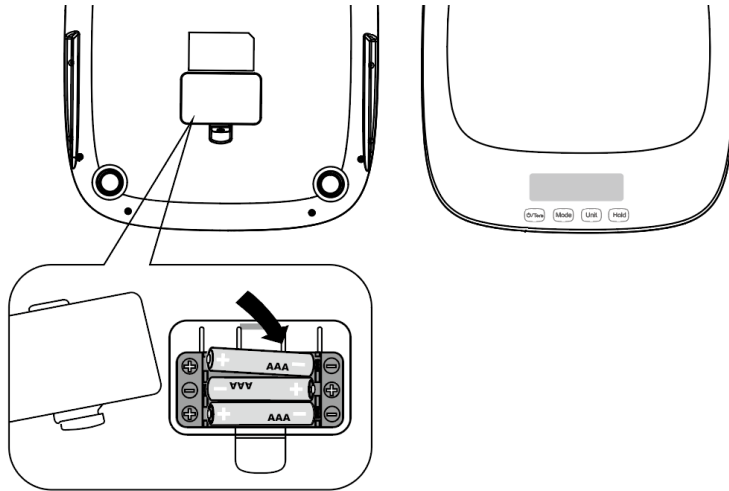
Remove the appliance and accessories from the packaging, remove the packaging material and set up at the designated workstation. Check that all parts included in the scope of delivery are present and undamaged.

Scope of delivery :

- Scales
- Operating instructions
- 3x 1.5AAA batteries

7.3 Build up

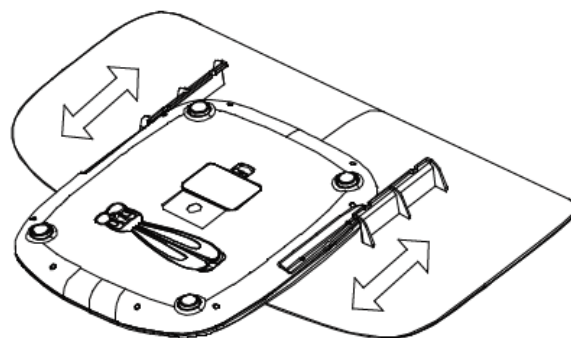
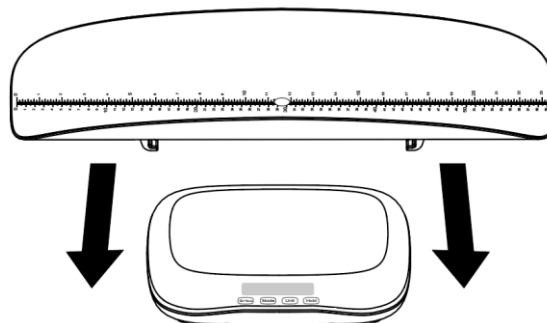
Installation



1. Open the battery cover on the underside and insert the batteries. Close the battery cover again.

Attention:

- Ensure the correct polarity when inserting the batteries.
- Remove the batteries before storing the scale for a longer period of time to prevent battery fluid from leaking and damaging the device.



2. Slide the weighing pan over the rails onto the scales so that it engages firmly.

7.4 Initial commissioning

In order to obtain accurate weighing results with electronic scales, the scales must have reached their operating temperature (see warm-up time, chapter 1). The scales must be switched on for this warm-up time.

The accuracy of the scale depends on the local gravitational acceleration.

8 Operation



On the underside of the scale is a plastic rod in the shape of a rabbit. This can be used during weighing to reassure the baby. After use, it should be placed back on the underside.

8.1 Operating mode

The scale offers various operating modes. These can be easily changed with [MODE].

Available operating modes:

- Simple weighing



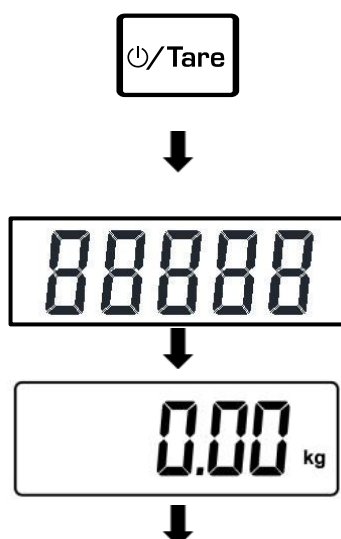
- Feeding function



- Parent-child cradle



8.2 Simple weighing (normal mode)



⇒ Press [⏻ /TARE] to switch on the scales.

⇒ Display briefly shows <88888> and then automatically switches to zero display.



⇒ Place the baby on the scales.

(If blankets etc. are also weighed, they can be tared with [⏻ /TARE]).

⇒ The result can be read off.

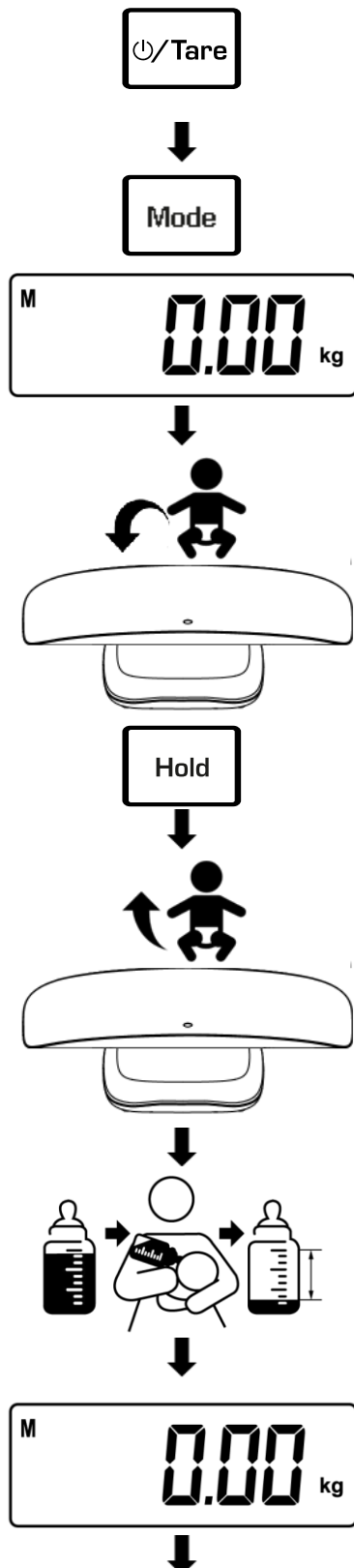
The display can be held with [HOLD] if the baby moves a lot. Pressing [HOLD] again resets the value.

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- Up to 4990 g, the result is displayed in g. From 5 kg, the result is displayed in kg.
- The normal weighing mode can also be used for weighing people. The weighing pan must be removed for this. From a weight of 20 kg, the display is automatically turned round so that it is easier to read (only in normal weighing mode).
- If the display shows <0:0.0>, the unit is set to oz.
- If the display shows <0.00>, the display is set to kg / g.
- Press [UNIT] to switch between the units.
- If the scales are not used for 15 seconds, they switch off automatically.

8.3 Feeding function

In this mode, the baby is weighed before and after feeding. The scale saves the weight before feeding and automatically calculates how much food has been consumed at the next weighing.



⇒ Press [⏻ /TARE] to switch on the scales.

⇒ Press [MODE] until the feeding function is activated (<M> is displayed).

⇒ Weigh your baby before feeding .

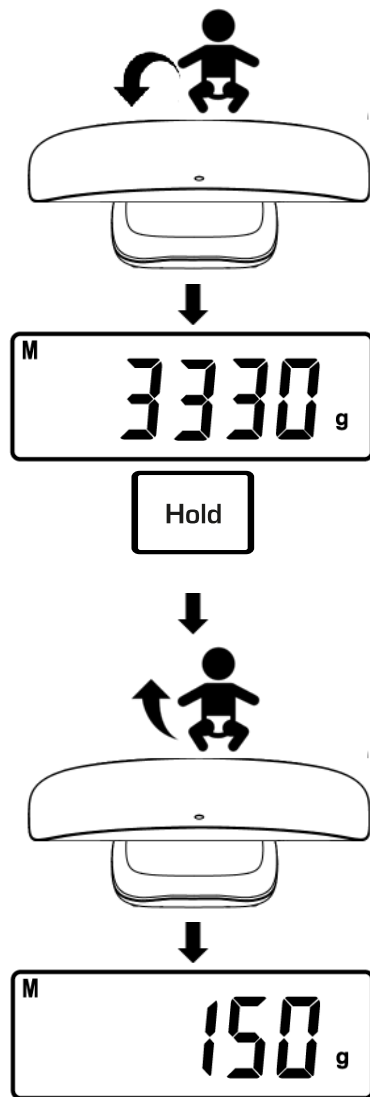
⇒ Save weight value with [HOLD]

⇒ Remove the baby from the scales and feed.

(After removing the baby, the scale displays the difference between the current and last weighing. This can be ignored).

(Note: The scales switch off automatically after 15 seconds. The weight remains stored).

⇒ The scales are in standstill mode (if not, this can be reset with [MODE])

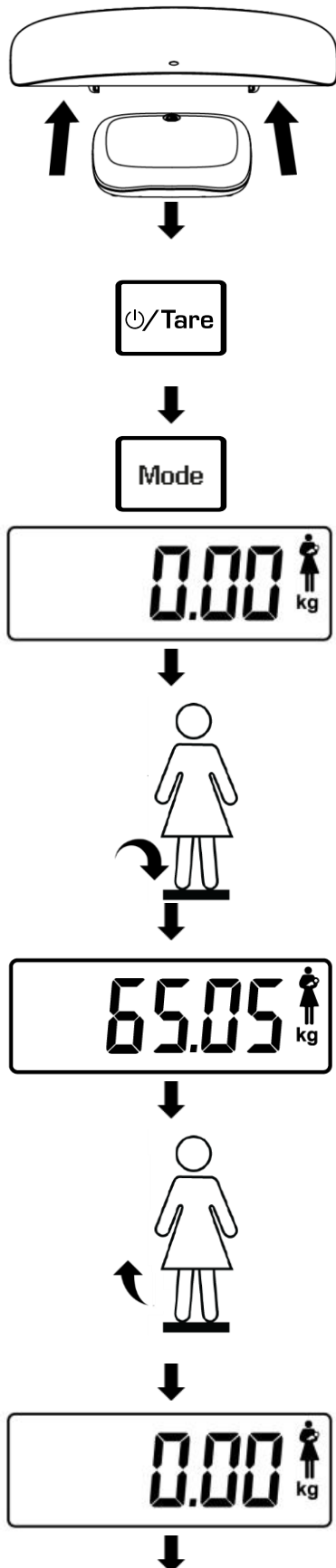


- ⇒ Weigh the baby again.
- ⇒ Save the weight value with [HOLD].

- ⇒ Remove the baby from the scales.
- ⇒ The result can be read off (total weight of the baby and weight of the food are displayed alternately).

8.4 Parent-child cradle

In this mode, the weight of the infant in the arms of an adult is determined.



⇒ Remove the weighing pan before switching on the scales.

⇒ Press [⏻ /TARE] to switch on the scales.

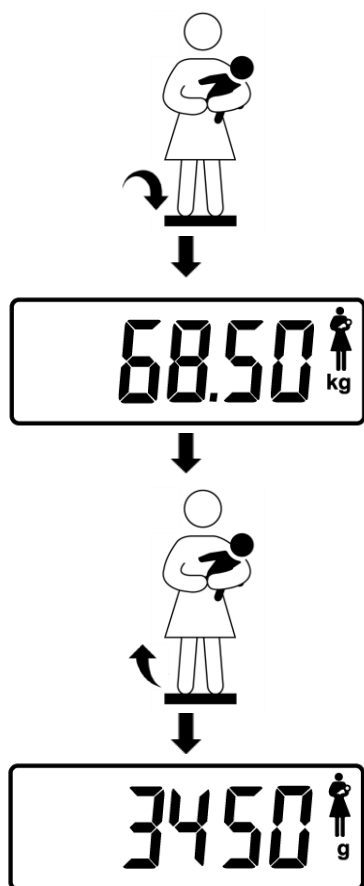
⇒ Press [MODE] until parent-child mode is activated.

⇒ Place the adult in the centre of the scales.

⇒ Wait until the display flashes and a stable weight value is displayed.

⇒ Get off the scales.

⇒ The scale automatically switches to the zero display.



⇒ Take the baby in your arms and place it in the centre of the scales.

⇒ Wait until the display flashes and a stable weight value is displayed.

⇒ Leave the scale.

⇒ The baby's weight can be read off.

9 Maintenance, servicing, disposal

9.1 Cleaning

Remove any soiling immediately.

Use a mild cleaning agent such as soapy water and a soft cloth to clean the device.

Then rub the device dry with a dry, soft and lint-free cloth.

Loose dirt can be removed with a brush or a hand Hoover.

Observe the following instructions to avoid damage:

- Do not use any aggressive cleaning agents (e.g. solvents), as this will cause reactions with the materials and damage them.
- Do not use metal brushes or cleaning sponges made of steel wool, as this will damage the surface.
- Ensure that no liquid enters the appliance.

9.2 Maintenance, servicing

The device may only be opened by trained service technicians authorised by KERN.

9.3 Waste disposal

The operator must dispose of the packaging and appliance in accordance with the applicable national or regional legislation at the place of use.

10 Small breakdown service

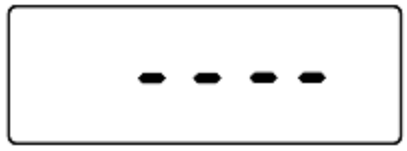
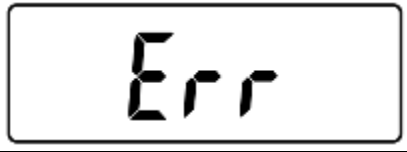
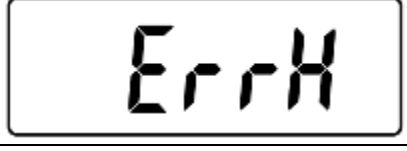
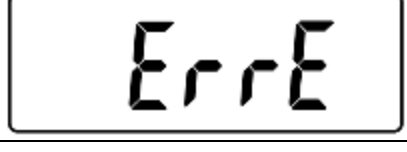
If there is a fault in the programme sequence, the scale should be switched off briefly and disconnected from the mains. The weighing process must then be restarted from the beginning.

Help:

Malfunction	Possible cause
The weight display does not light up.	• The scales are not switched on. • The batteries are inserted incorrectly or are flat • No batteries are inserted.
The weight display changes continuously	• Draught/air movement • Vibrations of the table/floor • The weighing plate has come into contact with foreign objects or is not positioned correctly. • Electromagnetic fields/static charging (choose a different installation location/switch off the interfering device if possible)
The weighing result is obviously wrong	• The scale display is not set to zero • There are strong temperature fluctuations. • The warm-up time was not observed. • Electromagnetic fields / static charge (choose another installation location / if possible, switch off the interfering device)

If other error messages occur, switch the scales off and on again. If the error message remains, contact the manufacturer.

11 Error message en

Error message	Cause	Remedy
	Low battery	Replace batteries
	Minus weight	Remove objects from the scale and restart the scale
	Scales overloaded	Remove objects from the scale
	Device error	Please contact your dealer.
	Device error	Please contact your dealer.
	Device error	Please contact your dealer.