

# Operating Manual

**ADE**

## Electronic Table Scales



## Portion Scale - Serie HW 945

*HW945-210409-Rev006-UM-en*



## Contents

Components and Features .....	2
Key function .....	2
Display symbols .....	2
Installation and use of scale .....	3
Check carton contents .....	3
Power Supply of the scale.....	3
Positioning of the scale .....	4
Quality check .....	4
Use of the scale.....	5
Weighing.....	5
Setting the unit counting mode.....	6
Alarm functions .....	6
Cleaning & Maintenance .....	6
Cleaning.....	6
Service.....	7
Safety instructions.....	7
Storage and Transport .....	7
Disposal .....	7
Warranty .....	7
CE marking and Declaration of Conformity.....	8
Technical data.....	9

**Key function**

Attention: The power switch is situated below the display left-hand side.

**Keys:**

**Function:**



For changing between weighing program and counting unit program.



To set scale to zero during weighing and for adding up during counting mode.



To tare any requested value during weighing and for reducing during piece counting mode.



To change the weighing unit (kg, lb).

**Display symbols**

EEEEEE

Overload of scale is announced by an acoustic signal.- remove object of immediately from the platform!

O

Weight value stable / Indication of the total weight (gross weight).

T

Indication that a fixed weight has been keyed in which will be deducted on each following weighing procedure ( TARE-symbol)ve.

-0-

Indication that scale has been set to zero manually



Indication that battery becomes low.





This symbol means: "Consult operating instructions". To achieve accurate results, read the instructions for use carefully before use and follow all instructions provided therein. Keep the instructions for use for future reference.

Your ADE Portion scale is a quality product.

It is a precision instrument and must be treated accordingly. Therefore kindly read and follow the Operating Manual in all respects.

### **Check carton contents**

- Portion scale
- Platform cover
- Power supply unit
- 4 counternuts for foot screws
- Safety cover
- Operating Manual including Certificate of Conformity

### **Power Supply of the scale**

Mains and rechargeable batteries (power-pack).

- The battery pack is already installed in the base of the scale.
- Charge the power-pack by using the mains adapter and connect the jack firmly. Complete first charging of power-pack needs 24 hours.
- The full battery life is approx. 100 hours.
- If power-pack needs recharging there will be an arrow above the low battery symbol on the display. Still the scale will operate for about 10 hours after which it will automatically switch off to protect the battery.
- You can also identify status of battery charging by the colour of the LED control light placed in the right hand corner above the display.
- When the scale is plugged into mains the power pack will be recharged automatically.
- LED is illuminated green the batteries have full charge. If it is red the battery is nearly discharged and yellow indicates the battery is under charge.
- Battery life becomes weaker if lifetime after charging becomes shorter. In this case contact your local dealer or service partner.
- Please make sure the local voltage supply corresponds to the indication printed on the adapter.

## **Positioning of the scale**

Make sure all four feet of the platform have direct contact to the surface.

The spirit level of the scale is an additional tool to make sure the scale is carefully positioned and offers best results when the air bubble is centred.

The alignment of the scale must be checked and corrected every time the location of the scale is changed.

Attached counternuts can be used for the foot screws. To reach a higher standing of the scale use the nuts. Release the foot screws from the housing, fix the counternuts to the winding of the foot screws and rescrew them to the housing.

The scale has a transport lock.

Underneath the weighing platform you find the following remark: **Please remove this Protection Screw before using!**

Carefully keep the protection screw for future use (transportation e.g. for repair).

Place the metal weighing tray on the platform by placing the 4 pins in the appropriate holes.

Connect the mains adapter to the scale.

## **Quality check**

ADE products correspond to the applicable EC Directives and European standards to manufacture and distribute world-wide weighing and measuring equipment as per the latest technical standard offering a long lifetime and continuous reliability.

## **Weighing**

Power the scale by pressing the tilting switch underneath the base (left hand side).  
For approx. 3 sec the display shows "**SYS - UP**" followed by a test run 0000, 1111, 2222 followed by Volt 6.0 (depending on loading status).  
Finally the scale is changing into weighing mode and shows **0** on display.

### **Set zero**

By using the **Zero** key eventual irregularities occurred after start up the scale can be compensated by setting the display back to zero for all subsequent weighing procedures.

### **Tare Function**

This function enables the user to weigh objects together with others (e.g. container, foil or paper cloth) without the additional weight influencing the weighing result.

- Start up the scale.
- If necessary use the manual zero function (see above under Set zero) pressing the **Zero** key if necessary. The **Zero** indication appears on display.
- Place the object (e.g. container, foil or paper cloth) on the tray.
- Press **Tare** key to come back to zero. Display now shows `0.00` and the Tare symbol will appear.
- Put the object to be weighed on the platform.
- The weight of object can be read from the display.

If the objects to be tared will always be the same you may continue weighing another object and the scale will only show the weight of the individually weighed object. In case the scale is shut off automatically (e.g. in battery operating mode) the stored value is cleared. If the value to be tared is changing during operation of the scale, complete unloading of the scale is necessary. Press **Tare** key again to return to normal status.

### **Unit function**

By using the **Unit** key you may select the weighing mode (kg, g, lb).  
Before weighing always make sure you are in the selected weighing mode.

## Setting the unit counting mode

Attention: If containers are used, please proceed as explained under **Tare function**.

- Once in weighing mode put a reference batch (10, 20, 30 counting parts) on the platform or container (minimum 1%o of the full capacity) .
- Press MODE key  
Pcs is indicated and the display shows the reference batch 10.
- If the result shown varies from the reference batch press either **zero** or **tare** key.
- Press **mode** key subject to pieces put on the platform and reference badge are identical. You may now start counting process.
- Take the object from the platform and press **mode** key again to return to weighing mode.

## Alarm functions

### **Overload**

An overload of the scale is announced by a beeping acoustic signal as well as by EEEEE appearing overloading objects from the platform. in the display. To avoid any damage of the scale release overloading objects from the platform.

### **Underload signal**

If the platform cover is removed the beeping acoustic signal is to be heard. The display shows **AdL**.

### **Battery alarm**

The scale is equipped by a rechargeable battery. In case the voltage is too low this is indicated on the display. A 12 hrs loading by using the mains adapter is necessary. The battery symbol flashes if loading is necessary. A full loading process takes about 12 hours. CHARGE indication is illuminated (yellow) . Please make sure the scale is in off mode for full loading.



An extreme unloading of the accumulator must be avoided absolutely.

## Cleaning & Maintenance

### Cleaning

Before cleaning make sure the scale has been disconnected from the socket. For cleaning just use a damp cloth or common disinfection products. Do not use any aggressive cleaning fluids.



Make sure no water or cleaning fluid penetrates the scale.

## **Service**

Display Indications:



Recharge the power-pack by using the mains adapter

Any other failure messages e.g. Err 4, Err 5, Err 6 or Err 9 please contact your local dealer or service partner or see Service Manual where authorized technical staff is available.

## **Safety instructions**

Do NOT use the scale:

- If the mains plug or cable shows visible damages
- After long storage in humid places

In those cases contact your local dealer or service partner.

## **Storage and Transport**

Keep all original parts and pieces for an eventual sending back of the scale in order to avoid any possible damage during transport which automatically leads to no warranty.

Disconnect all cables before transport to avoid unnecessary damages.

## **Disposal**



Waste electrical equipment do not belong in household waste. Devices with this marking may not be disposed of as residual waste, but must be recycled.



Remove (if possible) all batteries and rechargeable batteries from the devices and send them to the battery disposal.



Make sure that only depleted batteries or batteries with insulated poles are disposed of so that there is no short circuit!

## **Warranty**

A one years warranty period from date of purchase will be guaranteed for either repair or replacement once it is proven that the defects are caused by poor material or poor workmanship (please keep the receipt for presentation). All moveable parts such as batteries, cables, plug-in power supply units, rechargeable batteries etc. are excluded. Warranty does not apply to normal appearance of usage or sign of wear or any damages caused by accidents or misuse. Products which have been opened by unauthorized persons are automatically out of warranty.

Customers abroad are requested to contact their local dealers in the event of any warranty becoming applicable.



## Declaration of conformity by the manufacturer

These scales have been manufactured in accordance with the harmonised European standards. They conform to the regulations of the EC-directives listed below:

- EMC Directive 2014/30/EC
- Low Voltage Directive 2014/35/EC
- RoHS Directive 2011/65/EC
- in the currently valid versions.

This declaration loses its validity if modifications are made to the scale without our approval.

Hamburg, April 2021

**ADE Germany GmbH**  
Neuer Hoeltigbaum 15  
22143 Hamburg / Germany

**Manufacturer:**

ADE Germany GmbH  
Neuer Hoeltigbaum 15  
22143 Hamburg / Germany  
 +49 40 432 776-0  
 +49 40 432 776-10  
 [info@ade-germany.de](mailto:info@ade-germany.de)  
 [www.ade-germany.de](http://www.ade-germany.de)

## Technical data

Maximum Capacity:	3 kg / 6 lb	30 kg / 60 lb
Graduation:	0,1 g / 0,0002 lb	1 g / 0,002 lb
Weighing area:	260 x 215 mm	
Dimensions:	260 x 125 x 310 mm	
Dead Weight:	3.6 kg	
Packing dimensions	392 x 301 x 183 mm	
Gross weight	4.2 kg	
Display:	Large LC-display backlit	
Case:	Robust plastic housing	
	Easy to clean foiled keyboard	
Weighing plate:	Stainless steel	
Tare compensation and minus flag for extraction weighing		
Unit counting mode		
Power Supply:	mains and rechargeable batteries for 230 V alternating current accumulators with an approx. 100 h operating time	



Supplied by:

--