OPERATING MANUAL

Electronic bench scales

Portion scale PWI30 with induction charging
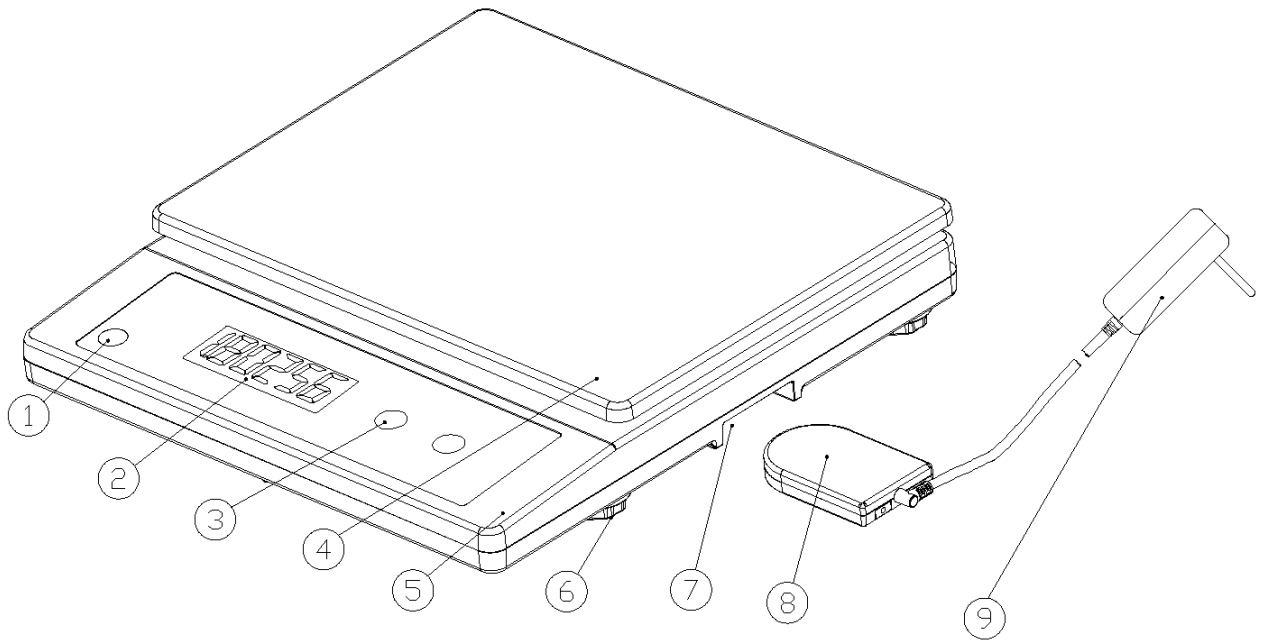
PWI30-240614-Rev007-UM-en

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Button function

Buttons:	Functions:
	Multifunction:
	To zero the scale in weighing mode.
	To tare a desired weight value in weighing mode.
	To set parameters in setting mode.
	Dual function:
	To turn on and off..
	To toggle between the units of weight.

Display symbols

Symbole:	Bedeutung:
EEEEEE	Overload, a beep sounds at the same time - immediately remove the object from the weighing platform!
↔⟐	Indication that a fixed weight value has been stored, which will be subtracted at each subsequent weighing process (TARE symbol).
→0←	Indication that the scale is reset to zero
∿	Indication that the achieved weight value is stable.
🔋	Battery charge status.

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 with induction charging is a quality product.

It is ideal for use wherever dusty or harsh working conditions prevail, including professional commercial kitchens, bakeries, butcher shops, etc. With the ProSeal technology, the annoyance about dirt, dust, splashing water and corrosion is a thing of the past.

Thanks to the induction charging used, the scale has no interfaces at all in order to avoid corrosion or contamination of connections. From the polymer membrane to the foot thread, it offers a completely sealed housing with IP65 dust and splashing water protection that has been intelligently designed and moulded to meet the highest demands, with no inaccessible grooves, gaps or acute angles at all. In addition, the weighing surface and the supporting substation can be disassembled in no time thanks to a practical quick-release fastener. Ideal for all-round easy cleaning that leaves no residues behind.

Backlight and automatic power-off, as well as the display of different units can be set or disabled.

To achieve precise results, please read the user guide carefully and follow the instructions contained therein.
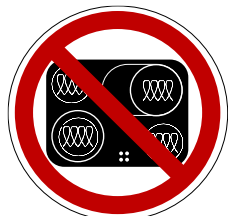
Inspecting the contents of the box

- ➢ Portion scale
- ➢ Load cross, silicone mat and weighing plate
- ➢ Quick-release fastener for the load cross
- ➢ Induction charger
- ➢ User manual incl. declaration of conformity

Safety information

The induction charger generates an electromagnetic field. This can pose a threat to persons with pacemakers or other implants!

Never attempt to charge the scale with/on an induction hob/cooker. This is NOT technically feasible and can also cause destruction of the scale.

Mains and battery connection of the scale

Power is supplied either by means of the rechargeable batteries already installed in the device or through mains operation using the included AC adapter (230 V AC). The printed voltage level must comply with the local voltage.

- The rechargeable batteries are already installed in the scale housing.

- When charging the device for the first time, use the included AC adapter. The charging time is approx. 12 hours during initial charging.

- When fully charged, the scale has an operating time of up to 120 hours.

- The charge status is indicated by ▮▮▮ on the display. Charge the battery as soon as a low charge status is indicated by flashing charge status or LO lights up on the display and the scale turns off automatically.

- When charging, make sure that the adapter is at least 5 cm away from metal objects.

- If the operating time with fully charged batteries is drastically reduced, the battery must be replaced. In this case, please contact your local dealer or service partner.

- Make sure that the local mains voltage matches the operating voltage printed on the adapter.

- If you will not be using the scale for an extended period of time, disconnect the power supply from the mains and remove the battery to protect the scale.

- The energy transfer between the induction charger and the scale is contactless. The radio symbols ((•)) indicate the position of the transmission and reception elements (top side of the induction charger and in the area of the induction charging base of the scale). Charging takes place only when both elements/symbols are opposite each other!

- The charging function is available only if the distance between the transmission and reception elements is sufficiently small. It is therefore necessary to ensure that the induction charger is properly positioned in the induction charging base.

LED display for induction charging
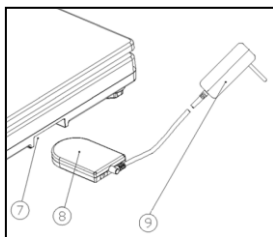
Slide the induction charger ⑧ into the induction charging base ⑦ and connect the charging adapter ⑨ to the local mains supply.

⚠ **The printed voltage level must comply with the local voltage.**

The batteries in the scale will start to charge.

The induction charger LED indicates the charge status as follows:

Charger LED	Battery symbol on the display	Charge status
LED off	Current battery status indicator	Charger is not connected to mains.
LED steady green	Evenly rolling battery symbol	Charging is ongoing
LED steady green	no battery symbol	Charging is complete or mains operation (without batteries)
LED steady red	Current battery status indicator	Charger connected to mains, but not to scale.
LED flashes red and green	Current battery status indicator	Sensor fault.

If the scale is turned on, the charging process will be indicated by a rolling battery symbol on the display. Once charging has been completed, the rolling will stop.

Assembling and levelling the scale

Carefully remove the delivery contents from the packaging.

Put the load cross on the scale. Make sure that the holes in the centre of the load cross sit over the pin in the centre of the housing. Attach the load cross to the quick-release fastener. Place first the silicone mat and then the weighing plate on the load cross.

Place the scale on a level and stable installation surface and make sure that all four feet are in contact with it. In addition, check the footing of the scale by means of the spirit level, the bubble of which should be in the centre of a circle.

Put the weighing bowl on the scale. The four pins of the weighing bowl should grip into the appropriate scale openings.

Insert the AC adapter into the socket located below the scale next to the power button. Connect the AC adapter to an AC power outlet (pay attention to the correct voltage).

| Using the scale |
|---|

Switching on the scale

To turn on the scale, press and hold down the **UNIT** button for about three seconds.
The display will show "ADE" for two seconds and will then automatically switch to weighing mode. "0,000" is shown on the display.

If this is not the case, press the **→0←** button. As a result, measurement inaccuracies will be compensated after turning on the scale and will be reset to zero before the actual weighing process.
The display now shows "0.000" and the **→0←** figure indicates the zero position. ⌣ shows that the weight value is stable. The scale is now ready for use.
If the display shows only "0.00", please check the selected digit interval in the parameter settings of the unit of weight.

Determining weight

Make sure that the display shows "0.000", $^{\bullet}0^{\bullet}$ and ⌣ as described above.
Put the object to be weighed on the weighing surface. The weight value will appear on the display and ⌣ will show that the weight value is stable.

Zeroing the scale

If the weight is lower than 10% of the maximum capacity (here: 3 kg) and the display shows

the stability symbol ⌣, press the `⇢0⇠` button to perform the zeroing function.
The display will show "0.000", $^{\bullet}0^{\bullet}$ and ⌣.

Tare function

If the weight value is greater than or equal to 10% of the maximum capacity (here: 3 kg) and

the display shows ⌣, press the `⇢0⇠` button to perform the tare function.

The display will show "0.000", ⇨ and ⌣.

With this function, the user can weigh objects together with other items (such as container, film or paper towel), without the weight of those items affecting the weighing result. Only the net weight will be displayed.

When unloading the weighing surface, the tare value will be displayed as a negative value.

If the stored objects are always the same, you can now weigh another object. The scale will automatically subtract the stored weight and the net weight of the object will reappear.
If the scale is turned off automatically or manually, the content of the tare memory will go out.
If you want to correct or delete the stored value, make sure that the scale is completely

unloaded and press the `⇢0⇠` button again.

Setting the unit of weight

The scale has kg, g, lb and oz as the units of weight.

To change the units of weight, press and hold down the UNIT button for two seconds.
As soon as a beep sounds, release the button and the unit will switch to the next one. After the oz unit, the display will switch back to the kg unit.
The selected unit is shown as ▶ on the display.

Switching off the scale

To manually turn off the scale, press and hold down the UNIT button for four seconds in weighing mode. As soon as a beep sounds, release the button and the scale will turn off.

Error messages

Overload - EEEEE display

The scale overload (+9d) is signalled by the "EEEEE" display. The overload must be eliminated immediately to prevent the scale from being damaged.

Low battery charge - LO display

A low battery charge is indicated by "LO". Charge or replace the batteries immediately.

Electronic error - --ERR display

The --ERR display shows an error in the electronics. Restart the scale and/or resume the parameter settings. If the error message appears again, there is a defect in the electronics and the circuit board must be replaced. Please contact your dealer or the manufacturer.

Parameter settings

You can make presets for various parameters.

When the scale is turned off, press the ⊷0⊷ button and then simultaneously press and hold

down the UNIT button for four seconds to enter the parameter settings.

Press the ⊷0⊷ button in setting mode to select the parameter values.

Press the UNIT button to save the selected setting and switch automatically to the next parameter.

Backlight

Press ⊷0⊷ to select the setting.
Use this parameter setting to select the desired backlight.

- ⇨ "BL ON": Backlight always remains on
- ⇨ "BL OFF": Backlight always remains off
- ⇨ "BL AUT": Backlight is on only when the weighing surface is loaded

Press the UNIT button to save the selected setting and switch automatically to the next parameter.

Selecting the unit

Use this parameter setting to disable the units of weight, the display of which is not required.

- ⇨ "t9": Enable (On) or disable (Off) the display of kg as the unit of weight
- ⇨ "9": Enable (On) or disable (Off) the display of g as the unit of weight
- ⇨ "lb": Enable (On) or disable (Off) the display of lb as the unit of weight
- ⇨ "oZ": Enable (On) or disable (Off) the display of oz as the unit of weight

Press the button to save the selected setting and switch automatically to the next unit of weight.

After selecting oz as the unit of weight, the scale will automatically switch to the next parameter.

Automatic power-off in battery mode

Use this parameter setting to select the desired time for the automatic power-off in battery mode.

- ⇨ "P OFF": Automatic power-off is disabled - the scale always remains on.
- ⇨ "P 2.5": The scale will turn off automatically in 2 ½ minutes to conserve the battery.
- ⇨ "P 5": The scale will turn off automatically in 5 minutes to conserve the battery.
- ⇨ "P 15": The scale will turn off automatically in 15 minutes to conserve the battery.
- ⇨ "P 30": The scale will turn off automatically in 30 minutes to conserve the battery.

Press the button to save the selected setting and switch automatically to the next parameter.

Digit interval d

Use this parameter setting to select the division of the scale, the displayed digit interval.

⚠ **It is recommended to leave this setting unchanged and use the button to switch immediately to the next parameter setting.**

If it is necessary to adjust the division, there are the following setting options:

- ⇨ "d 1": 1 g division
- ⇨ "d 2": 2 g division
- ⇨ "d 5": 5 g division
- ⇨ "d 10": 10 g division
- ⇨ "d 20": 20 g division

Press the button to save the selected setting and switch automatically to the next parameter.

Zero offset

Use this parameter setting to select the zero offset range in weighing mode.

⚠ **It is recommended to leave this setting unchanged and use the button to switch immediately to the next parameter setting.**

If it is necessary to adjust the zero offset range, you can select the setting values 1 – 7. "Ztrc x" appears on the display.

In this case, the larger the set value x, the larger the automatic zero offset range.

Press the [UNIT] button to save the selected setting and switch automatically to the first parameter (backlight).

Once all the desired parameter settings have been selected, press and hold down the [UNIT] button for four seconds to exit the mode.

The settings will be accepted and the scale will turn off.

Cleaning

Before cleaning, disconnect the device from the power supply. Do not use any aggressive cleaning agents while cleaning, but only a damp cloth or conventional disinfectants.

The weighing bowl and the silicone mat can easily be removed for cleaning. Open the quick-release fastener of the load cross and remove both of them from the scale housing. All parts can now be cleaned separately. The housing that is designed completely without inaccessible grooves, gaps or acute angles can be wiped off from all sides with a cloth as described above. After cleaning, assemble all parts in reverse order.

In addition to the four adjustable feet that can be unscrewed for cleaning, there are two membranes on the underside that prevent the formation of condensate inside the scale. To ensure protection against mechanical damage, the membranes are provided with two bleed screw caps that must also be cleaned if they are soiled. During assembly, make sure that the membranes and seals are inserted correctly!
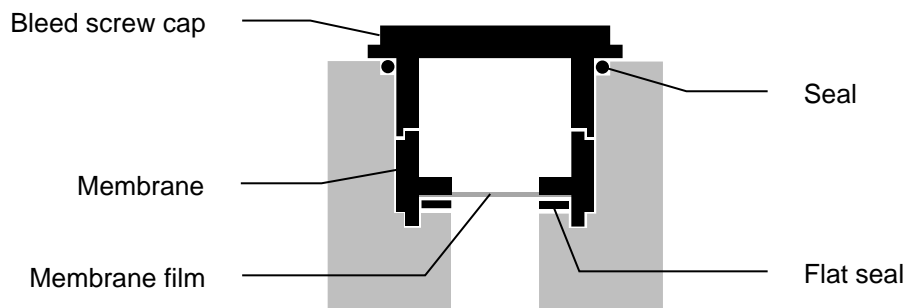
Safety information

Safe operation is no longer guaranteed:

- If the AC adapter or the power cord shows visible damages.
- If the AC adapter no longer functions properly.
- After prolonged storage in humid areas.

Notify your service partner in these cases for your own safety.

⚠️ **No other power supply and battery other than those provided by the manufacturer may be used. Otherwise, there is a risk of interference with other electrical devices! The connection cable must be laid such that there is no danger of stumbling.**

Storage and transport conditions

Keep all parts of the packaging in case you need to return the shipment to avoid possible damage during transportation.

Disconnect all connected cables before shipping. You can thus avoid unnecessary damage.

Warranty

ADE will repair or replace this product if it is proven that it failed within 1 year from the date of sale (proof of purchase is required) due to faulty workmanship or defective materials. All moveable parts such as batteries, cables, plug-in power supply units, rechargeable batteries etc. are excluded. This warranty does not cover external, normal signs of wear and tear or damages caused by accident or misuse. The warranty will not apply for devices that have been opened by unauthorised persons. In addition, the operation of the scale with damaged or missing membranes is not allowed and will void the warranty. The statutory rights of the customer are not affected by this agreement in any way.

The dealers where the scale was purchased is responsible for complaints, after-sales service and spare parts.

Model	**PWI30**
Maximum load:	30 kg
Digit display:	1 g
Weighing Surface:	330 x 260 mm
Dimensions:	330 x 360 x 70 mm
Net weight:	4.5 kg
Packaging dimensions:	403 x 398 x 97 mm
Packaging weight:	5.0 kg
Display:	Large LCD display with backlight, 26 mm
Housing:	ProSeal technology: Completely sealed, sturdy scale housing (IP65) without grooves, gaps and acute angles
Keypad:	Easy-care membrane keypad
Weighing Surface:	Stainless steel, dishwasher safe Quick-release fastener for disassembly of the weighing surface
Working conditions:	Ambient temperature: -10°C – 50°C Relative humidity; 1% - 80%
Functions:	Weighing, taring, units of weight (kg, g, lb, oz) User-friendly 2-button operation
Unit conversion:	1 kg = 1000 g 1 kg = 2.206 lb 1 kg = 35.27 oz
Power supply:	230 V AC mains and battery operation, interface-free Induction charging; power adapter 5 V DC/1 A; high-performance lithium-ion battery (3.7 V/5200 mA) with operating time of up to 120 hours, charging time of approx. 12 hours
Automatic power-off:	adjustable after 2.5 / 5 / 15 or 30 minutes or can be disabled
Backlight:	adjustable permanent, when loaded or can be disabled
Overload signal	

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Declaration of conformity by the manufacturer

These scales have been manufactured in accordance with the harmonised European standards. It conforms to the provisions of the EC directives cited below:

- – EMC Directive 2014/30/EU regarding electromagnetic compatibility
- – Low voltage directive 2014/35/EU
- – RoHS Directive 2011/65/EC

  in the currently valid versions.

This declaration will lose its validity if any modification is made to the scale without our consent.

Hamburg, Juni 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
🖳 www.ade-germany.de

Distributor: