OPERATING MANUAL

ADE

Stainless steel scale for the food sector

Compact scale with stainless steel housing - Model PWN5

Table of Contents

1. Overview

1.1 Button functions

Symbol	Designation	Function
	On-/Off button	Turn on / Turn off the scale.
	Tare button	Tare button in weighing mode.
UNIT	Unit button	Unit setting and backlight setting.
SET	Set button	Set-up and confirmation button.

1.2 LCD Display
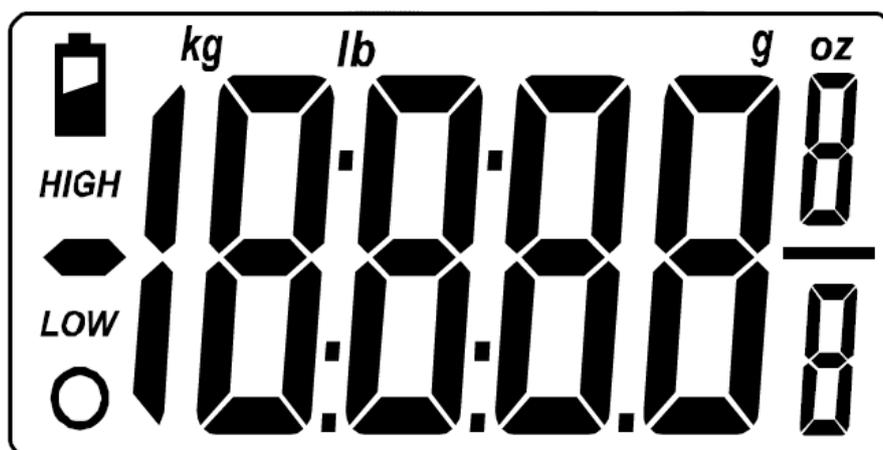
Symbol	Designation
○	Scale weight is stable.
◆	Weight is negative.
▯	Indicates low battery charge; flashes during charging.
HIGH	Displayed if the parameter setting is the maximum value.
LOW	Displayed if the parameter setting is the minimum value.

2. Installation, operation and function

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 PWN5 compact scale with stainless steel housing is a quality product designed for non-approvable checkweighing.

The scale is remarkable for its easy handling. Thanks to the small digit interval, precise weight measurements can be performed easily and quickly.

An audible signal in conjunction with freely programmable minimum and maximum limits expands the possible applications, for example, when weighing recurring weights.

The stainless steel housing is waterproof according to IP67 protection class and can also be used in wet working environments.

To achieve precise measurement results, please read the operating manual carefully and follow the instructions contained therein. Keep this manual in a safe place for future reference.

2.1 Inspecting the contents of the box

- ➢ Checkweigher
- ➢ Weighing platform
- ➢ User manual incl. declaration of conformity
- ➢ Rechargeable batteries 4.8 V 1800 mAh (installed in the scale)
- ➢ AC/DC adapter

2.2 Levelling the scale

Carefully remove the scale from the packaging.

Level the scale so that all feet are in contact with the installation surface. The footing must be level and safe.

2.3 Supplying power to the scale

Power is supplied either by means of the included mains adapter or through the rechargeable batteries installed in the device.

2.4 Charge status / display and battery charge

The scale has a battery status indicator ▉ , that lights up in the event of a low battery charge.

For mains operation as well as for charging the battery, first connect the included mains adapter to the connector on the back of the scale (see illustration on the right) and then to the mains supply.
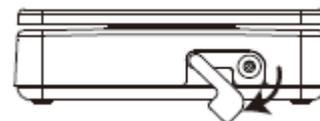
Make sure that the voltage of the local mains supply matches the operating voltage of the scale.

Use only the included mains adapter.

The charging process can take up to five hours.

A fully charged battery can operate continuously up to 14 hours.

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.

⚠ **If you will not be using the scale for an extended period of time, disconnect the charger from the mains supply to protect the battery.**

2.5 Switching on

Remove all weights from the weighing surface.

Press the **On/Off power button**. All symbols are shown on the LCD display during the power-on routine. After that, the scale shows "0g" and is ready for weighing.

If the selected unit has been changed before the last power-off, the scale will show "0.000lb", "0:0.00lb:oz" or "0.00oz".

2.6 Switching off

To turn off the scale, press the **On/Off power button**.

2.6.1 Automatic power-off (in battery operation only)

The scale has an automatic power-off that can be preset by the user in configuration mode.

In the as-delivered condition, the automatic power-off is preset to 120 seconds (120).

To change the preset, turn on the scale, wait for the power-on routine to complete and then start the configuration mode by pressing and holding down the "SET" button for 3 seconds until the display shows "SEt". After releasing the button, the display will show "Unit".

Press the **UNIT** button and the display will show "AOFF".

Press the **SET** button to switch to the presetting options. Press the **UNIT** button to select the time until automatic power-off. The succession is 120, 180, 240, 300, OFF and again 120. The values are the power-off time in seconds.

Once the desired value is displayed, press the **SET** button to confirm the selection.

The display will show the configuration item "AOFF".

Use the **UNIT** button to enter the next menu item "GrAu". This function is reserved for service technicians only. Once "GrAu" appears on the display, press the **UNIT** button to confirm; the display will show "End". Press the **SET** button to confirm and go back to the weighing mode.

2.6.2 Automatic power-off at low voltage

If the battery charge is too low, the scale will turn off automaticall.

2.7 Weighing mode + unit change

Put the object to be weighed on the scale. Once the scale is stable, the weight will be displayed within one second.

The weight can be displayed in "g", "lb", "lb:oz" and "oz" units, which can be changed by pressing the **UNIT** button. The unit that has been set before the last power-off of the scale will be displayed when it is turned on again later.

If the scale is overloaded, the display will show "OL". In this case, immediately remove the object to be weighed to prevent permanent damage to the scale.

2.8   Presetting the units

The various units such as "g", "lb", "lb:oz" and "oz" can be separately enabled or disabled as needed.

To do this, press and hold down the **SET** button for 3 seconds until the display shows "SEt". After releasing the button, the display will show "UNIT".

Now press the **SET** button. The display will show "g" as the unit of weight. Repeatedly press the **UNIT** button to enable ("ON") or disable ("OFF") the unit.

Press the **SET** button to confirm the selection and switch to the "lb/oz" unit status display.

To enable or disable the unit selection, press the **UNIT** button and confirm the selection as described above.

Perform these steps also for the "lb/oz1/8", "lb", "oz" and "oz1/8" units.

After confirmation of the last unit of weight to be selected, the display will show "UNIT".

2.9   Taring

There are two taring options: automatic taring when you turn on the scale and taring during the weighing process.

With automatic taring, put the container to be tared on the scale before turning on the scale and then turn on the scale. The display will show "0". As soon as you put the object to be weighed into the container, only the net weight of the object to be weighed will be displayed. This process can be repeated as often as desired until the maximum weight is reached.

If the scale is already turned on, taring will take place during the weighing process.

Put your empty container on the scale and press the **TARE** button. The scale display will show "0". Now put the object to be weighed into the container. The scale now shows only the net weight. This process can be repeated as often as desired until the maximum weight is reached. Press the **SET** and **TARE** buttons at the same time to display the total weight. If you remove the container and the objects to be weighed, the display will show the weight as a negative value. Press the **TARE** button again to cancel the tare function.

⚠️   **If the display is not stable, the stability indicator will not light up.**

2.10   Setting minimum and maximum values for checkweighing

It is possible to set the minimum and maximum values on the scale with an automatic playing of an audible signal. It is very helpful if, for example, always the same filling quantities are weighed.

Press and hold down the **TARE** button for 3 seconds to set the minimum and maximum values for checkweighing. After a short beep, the "LOW" symbol will flash and switch back to the "0" display. Now place the weight corresponding to the minimum weight on the weighing platform and press the **SET** button to confirm. A beep will sound to confirm the stored minimum value.

The "HIGH" symbol flashes now. Now add the corresponding weight to the minimum weight until the desired maximum value is reached and press the **SET** button to confirm. A beep will sound to confirm the stored maximum value.
Remove the weight from the weighing platform.

If you now place an arbitrary weight on the weighing surface, a beep will sound as long as the applied weight is below or above the set values.

Briefly press the **SET** and **TARE** buttons at the same time to delete the stored minimum and maximum values. The scale will confirm the input with a short beep.

2.11 Backlight

For better readability, the display has a backlight that is enabled after each power-on. Press and hold down the **UNIT** button for approx. 3 seconds to disable the backlight for low power consumption. Press and hold down the **UNIT** button for approx. 3 seconds again to enable the backlight.

3.	Display and error messages

Symbol	Designation
„OL"	Overload - the scale is overloaded. Weight exceeds the permissible total weight.
🔋	Low battery - charge the battery.

4.	Care and maintenance

4.1 Care and cleaning

Before cleaning, disconnect the device from the power supply. When cleaning, do not use any aggressive cleaning agents but only a cloth and water or neutral disinfectant.

⚠️ **Do not clean the scale with a high-pressure cleaner!**

4.2 Storage and Transport Conditions

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

4.3 Disposal

🗑️ **Used electrical equipment and batteries do not belong in the domestic waste. Please dispose of defective or old products and batteries with the legal and authorised channels!**

⚠️ **Please make sure that only discharged batteries or batteries with insulated "poles" are disposed of as otherwise they may short-circuit!**

4.4 Warranty

ADE will repair or replace this product if there is evidence is that it failed within one year from the date of sale (proof of purchase required) by poor workmanship or defective material. All moving parts, such as batteries, cables, etc. are excluded.

The use of accessories other than those approved by ADE, especially batteries, will void the warranty.

This warranty does not cover external normal wear and tear or damage caused by accident or misuse. The warranty will not apply for devices that have been opened by unauthorised persons. The statutory rights of the customer are not affected by this agreement in any way.

The dealer from whom the scale was purchased is responsible for complaints, customer service and spare parts.

4.5 <u>Safety inspection</u>

Safe operation is no longer guaranteed:

- if the power supply is visibly damaged.
- if the power supply is no longer functioning.
- after prolonged storage in humid areas.

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

ADE applies the relevant EC Directives and European standards in order to offer equipment worldwide according to the latest state of the art and with a long service life.

ADE products comply with the strict European directives for manufacture and sale of professional scales and measuring instruments.

CE

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
- Low voltage directive 2014/35/EU
- RoHS Directive 2011/65/EU

in the currently valid versions.

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

Hamburg, May 2024

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Type	PWN5
Maximum load:	5 kg
Division = d	1 g
Min. weight	20 d
Maximum tare	100% maximum weight

Model	PWN5
Weighing surface	180 x 171 mm, stainless steel, removable
Dimensions	187 x 244 x 54 mm
Net weight	1.80 kg
Gross weight	2.20 kg
Temperature range	+10°C to + 40°C
Housing	Solid stainless steel housing
Protection class	IP67
Power supply	AC adapter (100-240 V AC 50/60 Hz input, 9 V/1000 mA output) and battery operation (4.8 V 1800 mAh)

Units	5000 g / 1 g	10 lb / 0.1 oz	10 lb / 0.005 lb
	10 lb / 1/8 oz	160 oz / 0.05 oz	160 oz / 1/8 oz

Display	Large LCD display with white backlight, digit height 30 mm
Functions	Weighing, Taring, Automatic zeroing, Freely programmable minimum and maximum values for checkweighing with audible support, Overload indicator Automatic power-off (in battery operation), Battery level indicator (if battery is low)

Distributor: