

User Manual

IP67 waterproof technical scale
BW 3000

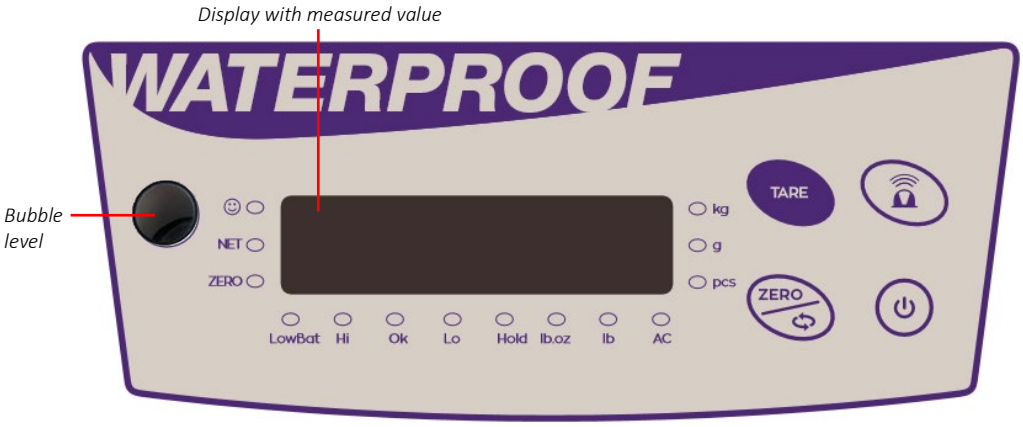
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1. Installation

- Place the scale and, using the adjustable feet and the bubble on the back, adjust the tilt. The scale MUST be level.
- Protect the scale from drafts, so do not install near windows or air conditioners.
- Protect the scale from vibrations.
- Do not leave the scale exposed to the sun.
- Working temperature: -10°C ... +40°C.
- Allowable moisture content: 35% ... 85%.
- Installation and removal of the scale should be done with the machine switched off.
- Do not use the scale upside down.
- After switching on, wait at least 15 minutes of warm-up time before performing the first weighing.
- For service, contact your dealer or an authorized service center.

2. Keypad



	On/Off key: press 3 seconds to switch on/off
	Zero/Unit of measure key: press to return the display to zero or press 3 seconds to change units of measure
	Tare key: press to tare or press 3 seconds to activate/deactivate dynamic weighing
	Alarm key: press to activate/deactivate the alarm feature or press 3 seconds to enter the setup menu

3. User calibration

Each individual scale is calibrated in the laboratory by qualified technicians using certified masses.
With the scale switched off, press and hold the “TARE” key and simultaneously press ON/OFF once. “CAL” will appear on the display. Then press “ZERO” to begin calibration. “C-ZERO” and then “SPAN” will be shown on the display. At this point, place 1 kg, 2 kg or 3 kg on the weighing pan. Depending on the mass, the display will show “on1,” “on2” or “on3.” “pass” will then appear on the display and a countdown will begin, during which you must remove the mass and which will return the scale to normal weighing mode.
There is also the possibility of locking the calibration, using the hidden switch located under the scale and protected by “Sealed” label.

4. Weighing feature

Place the weight on the weighing pan of the scale and wait until the stability indicator has lit up before noting the measurement. Do not overload the scale.

5. Tara and Zero feature

By placing a mass on the weighing pan and pressing the “TARE” key, the scale will measure 0 g on the display but keep track of it.
Press “ZERO” to zero the scale. The Zero feature works only if the mass resting on the pan is less than 4% of the scale's capacity. Otherwise, if higher, you will have to press “TARE”.

6. Unit selection feature

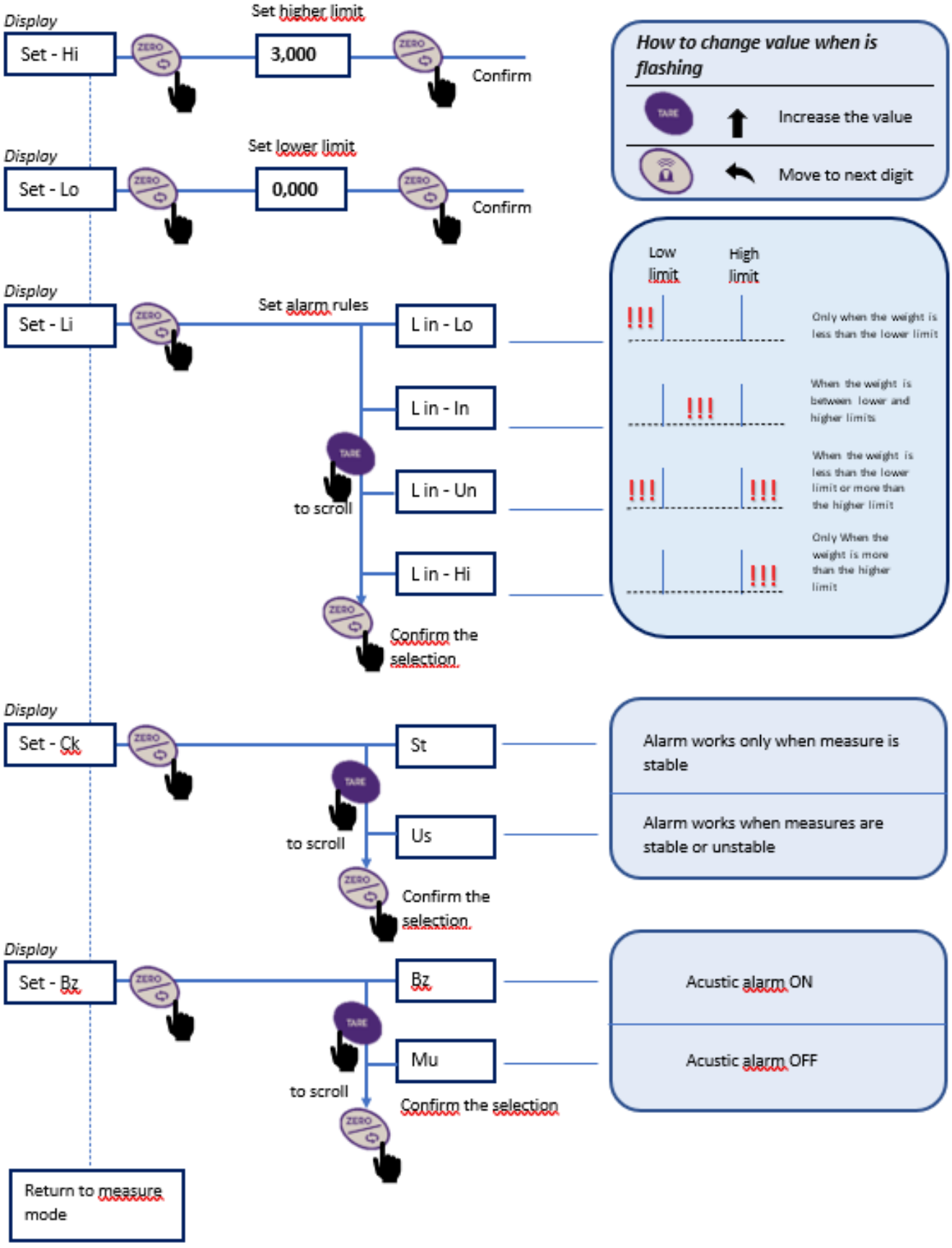
When the scale is in normal weighing mode, press and hold “ZERO” for 3 seconds while changing the unit of measure one at a time between: kg, g, lb, oz, pcs. The unit LED will light up indicating the selected unit of measure. The default unit of measure is g (gram).

7. Piece-counting feature

Select the weighing mode in “PCS”. Press and hold “TARE” for 3 seconds: the display will show SP=5.
Press “TARE” to change the number of samples (5, 10, 20, 50, 100, 200, 500), put the amount written on the display of samples on the scale pan and press “ZERO” to confirm. Now you can place more samples on the pan and then wait for the total number to appear on the display.

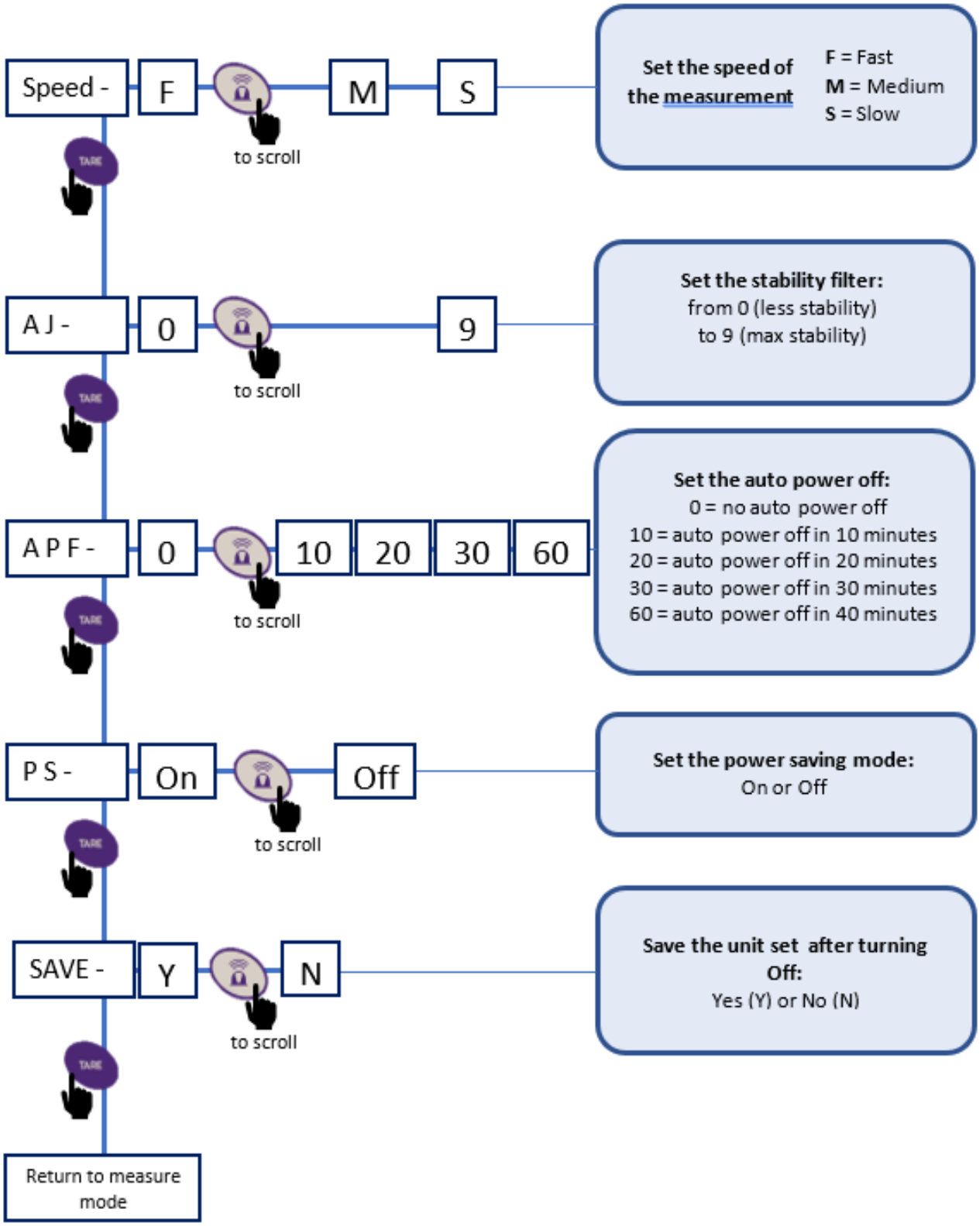
8. Weighing limits and alarm feature

The BW 3000 scale allows you to set weighing limits, upper and lower. This feature is very useful in various production processes to check very quickly whether the sample is in specification.
You can set upper and lower limits, alarm rules, and enable or disable sound. To activate check weighing, during normal weighing, press “ALARM”. The display will show “Ck – On”.
To set alarm, press and hold “ALARM” for 3 seconds (only if check weighing feature is ON).


Display
Set - Hi
Set higher limit
3,000
Confirm
Display
Set - Lo
Set lower limit
0,000
Confirm
Display
Set - Li
Set alarm rules
L in - Lo
L in - In
L in - Un
L in - Hi
to scroll
Confirm the selection
How to change value when is flashing
Increase the value
Move to next digit
Low limit
High limit
Only when the weight is less than the lower limit
When the weight is between lower and higher limits
When the weight is less than the lower limit or more than the higher limit
Only When the weight is more than the higher limit
Display
Set - Ck
St
Us
to scroll
Confirm the selection
Alarm works only when measure is stable
Alarm works when measures are stable or unstable
Display
Set - Bz
Bz
Mu
to scroll
Confirm the selection
Acustic alarm ON
Acustic alarm OFF
Return to measure mode

9. Setting other features

To enter the settings menu, press and hold “ALARM” for 3 seconds.
If the check weighing feature is on, the software will not allow the operator to enter the function menu.
To turn it off, press “ALARM”. The display will show “Ck – OFF”.



10. Battery

The scales include a rechargeable battery. To recharge the battery, use the power supply inserted inside the compartment at the bottom of the scale. To open the compartment, the 4 screws must be removed.
It is not advisable to use the scale with the power supply connected.
With the lower compartment open, the IP67 degree of resistance is not guaranteed.

11. Troubleshooting

Description	Solution
The scale does not switch on	Connect the scale with the power supply. Check the status of the power supply and the network.
Low voltage and flashing display	Recharge the battery.
Il display mostra la scritta B-Err	Recharge the battery.
Reading error, scale not calibrated	Calibrate again the scale. Place the scale in an environment with optimal environmental conditions.
O-load	Exceeded the maximum load capacity.
O-zero	Past the initial zero, change settings or remove objects.

12. Data sheet

Model	BW 3000
Capacity	3000 g
Resolution	1 g
Repeatability	± 1 g
Linearity	± 1 g
Minimum weighing	20 g
Calibration	External (option to lock the calibration)
Unit of measurement	Kg – g – lb – oz – pcs
Stabilization time	≈ 5 Seconds
Working temperature	-10°C … 40°C
Display	Dual display
Plate size	225 * 185 mm stainless steel
Overall dimensions	130 * 240 * 300 mm
Net weight	5 kg
Power supply	230V
Features	Weighing, tare, piece-counting feature, unit selection, weighing limits and alarm
Accessories	Power cable, steel plate, adjustable feet, bubble leveling



Electrical and electronic equipment with this symbol affixed may not be disposed of in public landfills.
In accordance with the WEEE Directive 2012/19/EU, European users of electrical and electronic equipment have the option of returning used equipment to the Distributor or Manufacturer when purchasing new equipment.
Illegal disposal of electrical and electronic equipment is punishable by administrative fine.