

Operating Manual

ADE

International Range
Electronic Lifter Scales

M703600
M703600-01



M703600+M703600-01-210817-Rev008-UM-en



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Safety Instructions



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.

Before weighing

Your ADE scale is a quality product. Before weighing please read this manual thoroughly and strictly follow the instruction. Keep it properly for future use.

Safety Guide

For utmost performance and precise measurement, please follow carefully operation and maintenance instructions herein mentioned.

Do **NOT** overload the scale. This will damage the load cell and automatically invalidate the warranty.

Do **NOT** keep any load on the scale for longer than necessary. This will decrease the scale's accuracy and shorten the load cell's lifetime.

Before using the scale make shackle and hook are connected properly.

Once the power supply is running low please change batteries.

Do **NOT** use the scale under weather conditions which may influence the weight results by electronic interference.

Do **NOT** open the scale. In case of any default contact your local representative.

Make sure no water or cleaning fluid is penetrating the scale.

Check carton contents

Electronic Lifter Scale

2 Safety hooks (1 shackle link, 1 stable S-hook)

3 x AA Batteries

Operating Manual

Getting started

Insert batteries

Open the battery compartment on the backside of the scale by sliding the lid aside.

Insert 3 x AA Batteries respecting the pole markings.

Shut the battery compartment carefully and make sure it is completely closed.

In case display shows 'LO' batteries are flat and need to be replaced.

Installation of scale to a suitable person lifter

Insert the shackle link into the upper the S-hook into the lower suspension of the scale.

Remove the suspension yoke of the person lifter and replace this by using the upper suspension eye of the scale to combine lifting arm and scale.

Slide the suspension respectively the carrying equipment of the person lifter carefully into the S-hook.

Weighing

To achieve a reliable result make sure the scale is always in vertical position. The S-hook must not yet be loaded by any weight. Press the **ON** key to start the scale. After a short function test the display becomes stable, the scale has found its zero point and shows '0.00' kg.

Loading the scale

Place the carrying equipment of the person lifter carefully on the S-hook.

Place the person in the carrying equipment (belt, weighing blanket or other) and make sure the person is safely secured.

Tare function

Always use the Tare function if you are weighing the person together with other objects (carrying equipment or other).

First weight the object. After the weight has been displayed press the **Tare** key. The display will go back to zero '0.00'. Place the person into the carrying equipment like explained above.


The display is showing the net weight of the person.

HOLD-Function

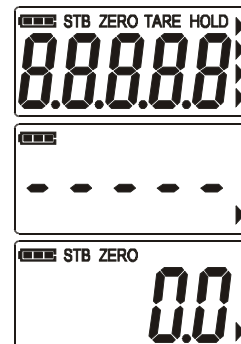
By pressing the **HOLD** key the display will be frozen, even if the weight value will change meanwhile.

Keys and Functions


Power On

Press  for 1 second for startup, battery tests and self-calibration.

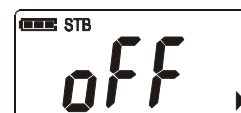
- ☒ Display shows self-calibration message during loading and automatic zeroing.




Power Off

Press  for 1 second to power off scale.

- ☒ Display shows power-off message.



Tare function

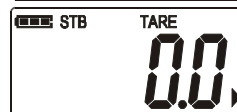
Press  to store selected tare value.

- ☒ The “TARE” sign appears and indicated weight turns into zero.
- ☒ Weight result exceeding the total capacity or is below zero, tare function is not working.
- ☒ In case of unstable weight indication tare function is inactive.


➤ Taring will reduce scale's overload range. Example: A 10kg weight should be tared and scale's maximum capacity is 50kg, scale will be overloaded at 40.18kg (5000 – 1000 + additional 9 divisions).

Press  to restore tare.


- ☒ “TARE” hides, and initial weight result appears on display.



Hold

Press  to lock the display.


- ☒ “HOLD” shows and display is frozen.

Press  again to resume display.

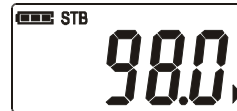
- ☒ “HOLD” hides and display resume refreshing.




Unit Switch

Press  for 1 second to switch measuring unit between kg, lb and N.

- ☒ If scale is tared, or held, unit switching is not allowed.



Zero

Press  for 1 second to zero scale.





- ☒ "ZERO" shows and weight turns zero.



✗ If weight is tared, or not stable, or held, zero is not allowed.

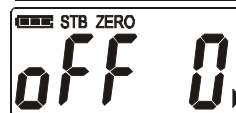
✗ If weight is over the Manual-Zero range, zero is not allowed.

Settings



Press  and  simultaneously, and hold the two buttons for 1 second, to enter Setting Mode.



Press  To enter Auto-Off option; and press  to change Auto-Off option.





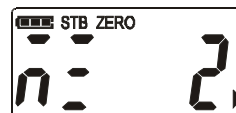
- ☒ Auto-Off can be set to 0 (disabled), 5 (5min), 15 (15min), 30 (30min), 60 (60min).

Press  to enter Auto-Zero option; and press  to change Auto-Zero option.





- ☒ Auto-Zero can be set to 0 (disabled), by 2 (2% of full cap.), 4 (4% of full cap.), 10 (10% of full cap.), 20 (20% of full cap.), 50 (50% of full cap.).

Press  to manually enter Zero option; and press  to change Manually entered-zero option.



- ☒ Manual-Zero can also be set to 0 (disabled), 2 (2% of full cap.), 4 (4% of full cap.), 10 (10% of full cap.), 20 (20% of full cap.), 50 (50% of full cap.).

Press  to enter backlight option; and press  to change backlight option.




- ☒ Backlight can be set to off (disabled), 5 (5sec), 15 (15sec), 30 (30sec), 60 (60sec), on (never).

- ☒ Once backlight is set to 5, 15, 30, or 60, ff it turns off corresponding to the seconds after stability has been reached.

- ☒ When Backlight is set to off, it is completely disabled.

- ☒ Once Backlight is set on, scale never turns off backlight, independent from stability.

Press  to exit the Settings Mode.



Trouble-shooting & Cleaning

Symptom	Possible reasons	Possible actions
blank display by pressing On/Off	discharged battery	replace battery
	defective battery	
	defective ON/OFF key	press ON/OFF key for long
no action taken after TARE or HOLD is activated	defective TARE or HOLD key	clean TARE or HOLD key
unstable readings	scale in motion	stabilize the load and scale
	scale is damped	dry the scale
	dust on PCB board	clean PCB board
Scale does not show zero without load	unstable power system	increase warm-up time
	load-cell stressed too much or for too long	hang the scale during storage
substantial error in weight result	Scale has been loaded before zero setting process has been finished	keep the scale unloaded and start procedure again and wait for zero setting before loading
	re-calibration needed	re-calibrate the scale
	improper unit	switch to proper unit

Cleaning:

For cleaning just use a damp cloth or common disinfection products.
Do not use any aggressive cleaning fluids.

Warranty – Liability:

ADE will repair or replace this product within a period of 1 year from date of delivery applying to defects occurred due to poor material or workmanship (presentation of invoice is necessary). All moveable parts – batteries, cables, mains units, rechargeable batteries etc. – are excluded. Warranty does not include natural wear, damages caused by incorrect or negligent handling, overuse or unsuitable or improper storage. The cost of transport will be borne by the customer should the equipment be located anywhere other than the customer's premises. In the event of transport damage, claims under warranty can be accepted subject to using the complete original packaging and the equipment secured the way it was packed and secured originally. All the packaging should therefore be retained.

Any warranty claim will be rejected if the equipment is opened by persons not authorized expressly by ADE to do so.

To make sure the scale is fully reliable at any time do check the scale in regular intervals by using tested weights.

Storage and Transport

Please keep all original parts and pieces for an eventual return of the scale in order to avoid any possible damage during transport which automatically leads to non-warranty.

Disposal



This symbol on the product or on its packaging indicates that this product shall not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment. For more detailed information about recycling contact your local city office, your household waste disposal service or the shop where you purchased the product.



It is not allowed to dispose batteries and accumulators in household waste and have to be disposed in discharged condition or with isolated electric poles. Otherwise short circuits may occur.

Technical Data

Capacity:	300 kg
Graduation:	100 g
Dimensions:	81 x 265 x 46 mm
Net Weight:	620 g
Batteries:	3 AA
Batterie Life:	>150 hours
Display	LCD, Numeric (17.78mm/0.7 inch)
Automatic zero setting, automatic shut off	

Tare Range	100% (covering full range)
Auto Zero	±50% (covering full range)
Manual Zero	±2% (covering full range)
Zero-tracking	0.5e/s
Stable readout Time	≤10 seconds
Auto-sleep	Stable and no action within 3 sec.
Auto-off	Stable and no action within 3 min.
Overload	100% (covering full range) + 9e
Max. Safety Load	120% (covering full range)
Ultimate Load	300% (covering full range)
Temp. (Op.)	- 10°C ~ + 40°C
Humidity (Op.)	≤90% at 20°C

Declaration of CE Conformity

ADE products correspond to the strict European Standards to manufacture and distribute professional weighing and measuring equipment.



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/EU
 - 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, August 2021

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