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BORMANN DS4000 Double Display Scale With Weighing Capacity

INSTRUCTION MANUAL

1. Introduction

Warning: Read the manual carefully before use. Failure to follow the warnings and instructions may result in damage to the unit, physical injury and/or damage to property. Store the manual in a safe place for future reference.

2. Description

2.1 Key operation

[ZERO] – Press this key to zero the scale.

[TARE] – Use this key to set the gross and net weights.

[Store] – Press this key to store data on the scale.

[Add] – This key stores and accumulates the value of the items weighted.

[M1~M8] – Stores the value in one of the 8 available slots.

[C] – This key is used to clear the stored data.

[0~9] – The numeric keypad is used to set the decimal position.

2.2 Indications

1. [TARE]: The net and gross weight reading is displayed in a separate window below the weight display on the left.

2. [ZERO]: The [ZERO] indication is located on the right side below the weight display.

3. [LOW BATTERY]: The low battery indication is located below the unit weight

indication.

4. [AC]: The [AC] indication is located below the total value indication.

3. Scale use

3.1 General instructions

3.1.1 If the battery needs charging, the [LOW BATTERY] indication will light up. Charge the battery.

3.1.2 Before you start using the scale, check if the bubble is in the middle of the level. If it is not in the middle then adjust the scale so that it is in the middle of the level.

3.1.3 For best results, give the scale sufficient warm-up time before using it.

3.2 Basic functions

3.2.1 Zeroing. In case there is no object on the scale and yet the display does not read zero, then zero the scale by pressing the [ZERO] key.

3.2.2 Weighing. Make sure that the scale is zeroed and that the [ZERO] indication is displayed. Place the item you wish to weigh on the weighing platform and the display will show the total weight of the item weighed.

3.2.3 Tare. Place the container you want to fill with products and press the [TARE] key. Doing so will subtract the weight of the container from the total weight.

3.2.4 Overload notification. Do not place a load on the scale that exceeds its weighing capacity. The device emits a characteristic ''beep'' sound when overloaded, alerting the user that items must be removed from the scale. If the load on the scale is not reduced in time, the load cells of the device may be damaged.

3.2.5 Setting the value. To set the value, use the keypad after you have placed the object on the weighing platform. The scale will display the total value.

3.3 Accumulation function

3.3.1 Preparation
Before accumulating values, ensure that there is no load on the platform and that the display reads zero.

3.3.2 Accumulation

Place the object to be weighed on the scale and wait until the weight reading has stabilized. By pressing the [ADD] key, the [ADD n] indication will appear on the screen, where [n] is the amount of times this procedure has been repeated. The total value will only be displayed if you have entered a value for all products. Place an item on the scale and let the reading stabilize. Once the reading has stabilized, press the [ADD] key. The price and weight of the product has now been stored. Remove the first product from the scale and place the next one. Weigh normally and press the [ADD] key again after you have set the value first. The display will show the [ADD 2] indication and will also display the total weight and total value for these two products. You can repeat this procedure consecutively a total of 99 times.

3.3.3 Clear the accumulated value. You can cancel the accumulation process and clear the accumulated value by pressing the [C] key.

3.4 Saving the price.

The scale can store up to 8 different prices.

3.4.1 Store the price
Press the [STORE] key and then enter the desired price using the numeric keypad. Press the [M*] key (*=1 to 8) and the value will be stored in the corresponding [M] slot. If there is already another value stored in that slot then it will be overwritten with the one you just added.

3.4.2 Load the price from a memory slot
If you want to use the value stored in one of the 8 [M) slots while weighing, simply press the desired [M] key once the weight reading has stabilized. The value will be loaded and displayed on the value display.

4. Precautions

Battery
The battery must be properly charged after each use of the scale with battery power. It is generally recommended to charge for 1.2 hours for every 1 hour of use of the scale. If the battery is not used frequently, then charge it continuously for at least 24 hours. Observe the correct polarity when connecting the battery. Make sure the battery is

connected correctly before using the device.

CAUTION: Before charging the battery, turn off the scale first.

Humidity and temperature

Protect the scale from humidity and high temperatures. Do not expose the scale to rain or direct sunlight.

Do not place the scale near humidifiers.

Magnetic fields

Do not place the scale near magnetic field sources. Magnetic fields can damage sensitive electronic circuits.

Repair and maintenance.

The scale should only be repaired by qualified service technicians of the manufacturer.

Troubleshooting

In the table below you will find some possible problems and the corresponding actions to solve them.

Problem	Possible cause		Solution
The AC indicator light is not lit.	Check if the device is connected to the power supply.	1. The mainsplug may be disconnected. 2. The power cable is damaged.	1. Insert the power plug or replace it if damaged. 2. Change the power cable.
			1. Replace the battery
The scale does not activate when it is operating on battery power.	Problem with the DC power supply.	1. The battery is damaged. 2.The battery is not properly connected.	2. Ensure that connections are in good condition. 3. Have qualified service technicians

			repair the device.
The ~voltage~ overload ~light~ illuminates , ~the~ device emits an alarm sound and turns off.	Over voltage	Battery has been in use too long.	1. Replace the battery 2. Have qualified service technicians repair the device.
		Incorrect voltage or	
Weight stable.	reading is ~un-~	Overvoltage or the device is affected by moisture.	prolonged use of the battery even after the warning alarm or too much humidity in the surrounding area.	Have qualified service technicians check or repair the device.

* This product is intended for laboratory use only.

* The manufacturer reserves the right to make minor changes to product design and technical specifications without prior notice unless these changes significantly affect the performance and safety of the products. The parts described / illustrated in the pages of the manual that you hold in your hands may also concern other models of the manufacturer's product line with similar features and may not be included in the product you just acquired.

* To ensure the safety and reliability of the product and the warranty validity, all repair, inspection or replacement work, including maintenance and special adjustments, must only be carried out by technicians of the authorized service department of the manufacturer.

* Always use the product with the supplied equipment. Operation of the product with non-provided equipment may cause malfunctions or even serious injury or death. The manufacturer and the importer shall not be liable for injuries and damages resulting from the use of non-conforming equipment.

Specifications

- **Model:** DS4000
- **Weighing capacity:** 40 kg
- **Subdivision:** 5 gr
- **Platform dimensions:** 34×23 cm
- **Other features:** Double LCD screen, Rechargeable

FAQ

Problem: The AC indicator light is not lit.

Action: Check the battery connection and charge the battery if needed. Make sure to observe correct polarity when

connecting the battery.

Documents / Resources

	[BORMANN DS4000 Double Display Scale With Weighing Capacity](#) [[pdf](#)] Instruction Manual DS4000 Double Display Scale With Weighing Capacity, DS4000, Double Display Scale With Weighing Capacity, Display Scale With Weighing Capacity, Weighing Capacity

References

- [User Manual](#)

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