



EN USER MANUAL



C201 / C202 - REV.08 - 13/01/2025



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USER MANUAL C201/C202

By choosing the column weighing scale WUNDER mod. C201 and C202 you have bought a high precision tool.
For more than 40 years, WUNDER’s experience has been at the service of health.
The mechanical weighing scale Wunder mod. C201 and C202 complies with the standards in force in hospitals, clinics and treatment centres.
The weighing scales C201 and C202 are class Im medical products with measurement device and are balanced in compliance with precision class III (according to standards 2017/745 and 90/384 EEC).

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1. GENERAL SPECIFICATIONS



Carefully read this manual before using the instrument as it provides important information regarding CORRECT USE, SAFETY, AND MAINTENANCE.

WUNDER reserves the right to modify the images in the following manual, only if they are purely aesthetic modifications and do not affect the safety and performance of the instrument, without communicating the updates promptly.

The Customer Assistance Service is available for further information on the use, maintenance and assistance of this product.

Conventions:

The following symbols have been used in this manual:

	MEDICAL DEVICE IN COMPLIANCE WITH REGULATION (EU) 2017/745
	INSTRUMENT SUITABLE FOR LEGAL USE, IN COMPLIANCE WITH DIRECTIVE 2014/31/EU AND EUROPEAN STANDARD EN45501
	MEDICAL DEVICE
	UNIQUE DEVICE IDENTIFIER
	INSTRUMENT IN COMPLIANCE WITH NAWI METRIC DIRECTIVE ACCURACY CLASS III 90/384 - 2014/31/UE AND THE EN45501 EU STANDARD
	ATTENTION! PLACED BEFORE DETERMINING PROCEDURES. COMPLIANCE FAILURE CAN HARM THE OPERATOR OR PATIENT OR DAMAGE THE PRODUCT
	READ THIS MANUAL CAREFULLY BEFORE USING THE INSTRUMENT
	MANUFACTURER: WUNDER SA.BI. SRL – VIA VECCHIA PER MONZA, 20 – TREZZO S/ADDA (MI), ITALY

2. SECURITY



WARNING!

Operators must carefully read this manual, follow the instructions contained therein and become familiar with the correct use and maintenance procedures of the instrument.

The manufacturer assumes no responsibility for direct or indirect damages, including loss of profits, or for any other damage of a commercial nature that may result from the use of the product that does not comply with what is described in this manual.

- Keep this manual for future reference and as a support for staff training
- Do not overload the instrument beyond its maximum capacity value
- Do not apply loads abruptly
- Do not press the keys using sharp or cutting objects
- Do not attempt to open the instrument
- Do not remove the conformity seals on the instrument
- Do not immerse the instrument in water or other liquids
- Regularly carry out maintenance operations and metric checks

You must report any serious incident that has occurred in relation to the medical device supplied by us to the manufacturer and the competent authority of the Member State where you are located.

3. DESCRIPTION AND EXPECTED USAGE

The tool has been designed to weigh people in a clinic for general diagnostic purposes.

Usage environment: hospitals and medical clinics. The installation room must be equipped with an electric system in compliance with the legislation in force. Always use the weighing device in a place which is not exposed to magnetic interferences.

People authorised to use the product: operators and doctors who are familiar with the product.

Supervising and responsibility: the tool must be used only under the supervision of a qualified doctor or qualified personnel in charge of maintenance and periodical checks.

Limitations of use: the medical device can only be used as described in the manual.

Useful life of the product: 7 years

4. TECHNICAL SPECIFICATIONS

Model	C201	C202
Max. Capacity	200kg	220kg
Division	100g	100g
Manufacturer	Wunder Sa.bi.srl Trezzo S/Adda Milano Italy	
OIML Approval	Class III	
Unit of measure	kg	
Operation Temperature	from 0°C to 35°C	
Included Accessories	Telescopic Heightrod 60-212cm / 24-84 inches Division 1mm - ± 5mm / 0,25 inches	

5. INSTALLATION

Before proceeding with the installation, check the content listed below:

- 1. Column and head with weighing system
- 2. Column anchor rod (rod inside the column)
- 3. Base with rubber platform
- 4. Telescopic stadiometer measurement height
- 5. Wheels for transportation
- 6. Mounting kit: 10x screws and 1x key for column anchor rod
- 7. Instruction manual

5.1 ASSEMBLING THE COLUMN BASE



WARNING!

**Keep the base and the platform close to each other during the tipping,
in order to prevent the levers bushing to stick out.**

1. Place the balance column horizontally on a table (see fig. 1)
2. Untie the red cables that hold the levers locked
3. Take out the anchor rod using the key and hook the base long lever until it is linked to the column anchor rod (see fig. 2-3)
4. Gently position the scale on the ground

fig. 1



fig. 2

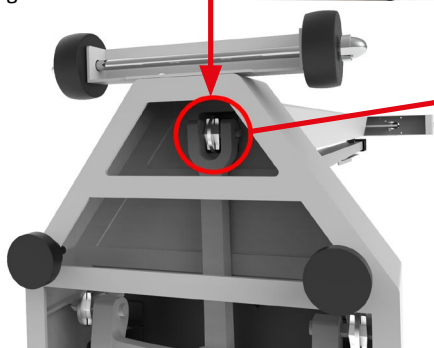
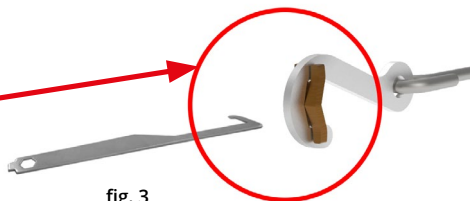


fig. 3



5.2 FIXING THE COLUMN TO THE BASE

Place the scales on the floor and fix the column to the base with the four screws provided (see fig. 4). Then cut the cable tie that binds the base.

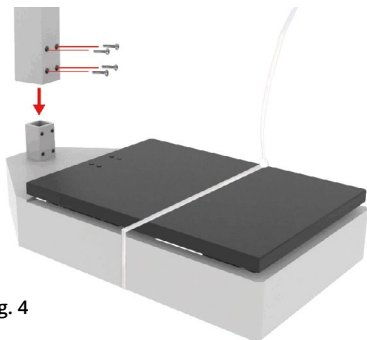


fig. 4

5.3 FIXING HAND POST TO THE BASE

Remove the screws from the black platform, place the white hand post in line with the 4 holes and fix it with the 4x screws (see fig. 5)

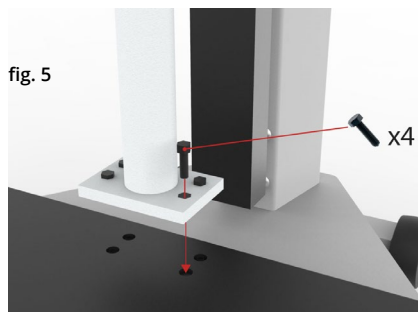


fig. 5

5.4 FIXING THE HEIGHT ROD TO THE COLUMN

Fix the hight rod with the two hexagonal screws as shown in fig. 6-7

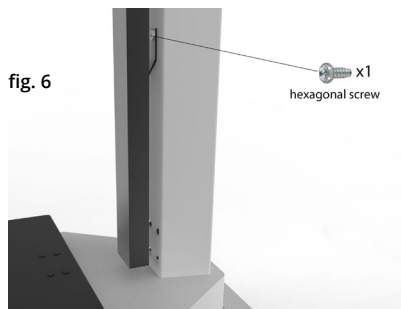


fig. 6

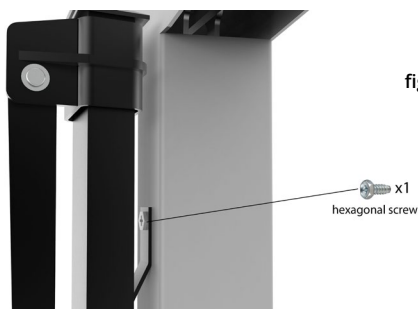


fig. 7

6. INSTRUCTIONS FOR USE

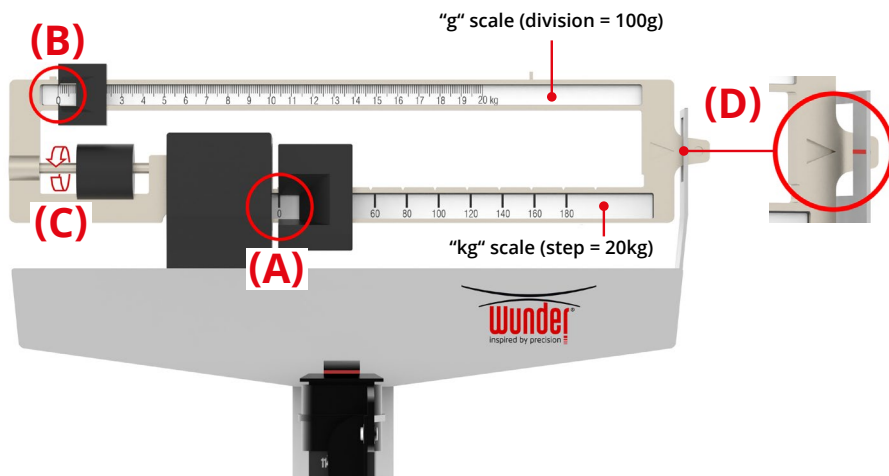
Place the instrument on a flat surface.

To perform the **ZERO CALIBRATION**, proceed as follows:

1. Place the "kg indicator" on zero, as shown in point (A) in the image below
2. Place the "g indicator" on zero, as shown in point (B)
3. Rotate the screw shown at point (C) until the arrow engraved on the balance rod is aligned with the red notch, as indicated in point (D)

To perform a **CORRECT WEIGHING**, proceed as follows:

4. Step onto the scale platform
5. Move the "kg indicator" to measure kilograms and the "g indicator" to measure grams
6. When the balance rod remains suspended and the index (engraved arrow) is aligned at the red mark, the weight is correct.
7. Read the weight with the "kg" and "g" indicators
8. Gently leave the platform repositioning the two indicator (kg - g) on zero



7. HEIGHT ROD INSTRUCTIONS



WARNING!

For height measurement, the patient must go on the scales platform.

MEASUREMENTS HIGHER THAN 131cm		
		
Raise the head rod.	Place the paddle horizontally	Lower the rod until the head rest paddle touches the patient's head. The height can be read at the red line shown in the image above.
MEASUREMENTS LOWER THAN 131cm		
		
First lower the hearest paddle and by pressing the red lever circled in the image above, lower the rod under 130cm.	Place the headrest paddle horizontally.	Lower the rod untile the headrest paddle touches the patient's head. The height can be read at the two white triangles.

8. MAINTENANCE AND SUPPORT



WARNING!

Regular maintenance interventions are recommended. The periodicity should be defined by the user. Maintenance operations must be carried out by qualified personnel. For further details, contact the **WUNDER** customer support centre.

To ensure a better and longer life of the product, a regular and accurate general cleaning is recommended. The tool should be cleaned using a soft cloth, dampened with water or neutral cleanser. **DO NOT USE** solvents or abrasive products.

During transportation, ensure the tool is not subject to impacts or high mechanical stresses. For repairs and support, contact your reseller.

9. SCRAPPING AND WASTE DISPOSAL

In case of long-time stocking, the parts that could be damaged by dust should be protected.

Scrapping

When the item is no longer being used, it must be made unusable, the dangerous parts must be made safe.

10. WARRANTY

The present certificate should be kept until the warranty expires.

It should be shown together with the invoice, fiscal receipt or delivery note complete with the reseller's name and selling date, every time a technical intervention is required. In case of non-compliance, the user will not be entitled to any warranty right. The warranty starts from the purchase date and is valid for the period indicated in the catalogue/price list in force. Warranty means free replacement or repair within the fixed terms of the equipment components which -at the manufacturer's sole discretion- are defective when sold. Wunder will decide whether the item is to be repaired or replaced.

Warranty DOES NOT COVER:

- Damages due to transportation, falls, negligence and tampering
- Damages due to inability to use the tool or improper use
- Damages due to inadequacy of the electric system or modifications due to environmental, weather or other conditions
- Damages due to wrong installation and repairs carried out by non-authorised personnel
- Interventions on site for regular checks or supposed defects
- Ordinary maintenance and all what can be considered as a normal wear due to usage

The intervention can be refused in case the tool has been changed or transformed in any way. In case of on site intervention, the user should pay the fixed call-out charges. In case the tool is repaired at a Wunder Support Service Centres,

the transportation fees and risks will be charged to the user.

Wunder is not responsible for any direct or indirect damage to people, animals or objects caused by a non-compliance with the instructions contained in the present manual or due to improper use.

In case of controversies, the competent jurisdiction is the Court in Bergamo (Italy).

11. COMPLIANCE

WUNDER MECHANICAL WEIGHING SCALE MOD: C201 / C202
We certify that the tool has been checked and has passed the functional test. It complies with the following standards and regulations: EN 45501/ EN60601-1 / EN60601-1-2 REGULATION (EU) 2017/745 – Medical Device Regulation

12. NAMEPLATES



The applied metrological plate indicates the year of manufacture (M YY) e.g. M 24 = 2024, M 25 =2025... and so on.

<div></div> <div>Manufacturer: Wunder Sa.Bi. s.r.l Via Vecchia per Monza, 20 20056 - Trezzo sull'Adda (MI) - Italy</div> <div>REF C201 Max = 200 kg Min = 2 kg +5 °C / +35 °C</div> <div>e = 100 g</div> <div>CE M YY 0474 T12037 rev 0 SN 0000</div>	<div>IN ACCORDANCE WITH REGULATION (EU) 2017/745 CONFORME AL REGOLAMENTO (UE) 2017/745</div> <div>CE 0425</div>
<div></div> <div>2025-01-16 (01)08052570460021 (11)250116 (21)C24010000</div> <div>IC: 00008 SN C24010000</div>	
<div></div> <div>Manufacturer: Wunder Sa.Bi. s.r.l Via Vecchia per Monza, 20 20056 - Trezzo sull'Adda (MI) - Italy</div> <div>REF C202 Max = 220 kg Min = 2 kg +5 °C / +35 °C</div> <div>e = 100 g</div> <div>CE M YY 0474 T12037 rev 0 SN 0000</div>	<div>IN ACCORDANCE WITH REGULATION (EU) 2017/745 CONFORME AL REGOLAMENTO (UE) 2017/745</div> <div>CE 0425</div>
<div></div> <div>2025-01-16 (01)08052570460038 (11)250116 (21)C24010000</div> <div>IC: 00008C SN C24010000</div>	