🏠 Home ＞ Products ＞ Wheelchair Scales ＞ MS3830

# MS3830    1. Platforminės svarstyklės MS3830

The high-capacity MS3830 wheelchair scale is portable and easily transported on rolling casters. Optional handrails can be attached for added stability. The low-profile ramp leads to a large steel non-slip platform designed specially for patients with difficulty standing.

didelė, plieninė, neslidi platforma

žemo profilio rampa - lengvam užvažiavimui

By taring the weight of the wheelchair, a patient's exact weight can be accurately measured.

CE 2460    ⊕ OIML    **M**    FDA    12. "M" ženklinimas - atlikta metrologinė patikra
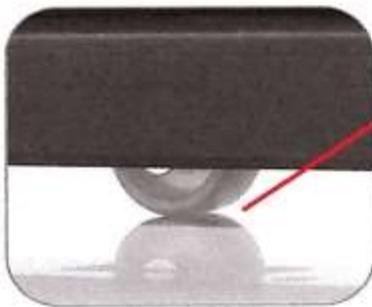


LCD ekranas

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# MS3830
## Wheelchair Scale

The high-capacity MS3830 wheelchair scale is portable and easily transported on rolling castors. Optional handrails can be attached for added stability when used by patients who have difficulty standing.

By deducting the weight of the wheelchair using the scale's tare function, a patient's exact weight can be accurately measured.

žemo profilio rampa - lengvam užvažiavimui

3.2. Rankena ir ratukai transportavimui

Castor wheels for portability

Quick lock and release for handrails (optional)

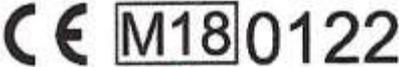Push wheelchair onto platform via two-way ramps

3.1. Platforma su 2 nuolydžio rampomis

## Features

- BMI    9. KMI funkcija
- Print
- Hold    9. duomenų stabdymas (HOLD)
- Tare    9. TARE funkcija
- Pre-Tare
- Backlight
- Portable Handle
- Wheel Castors
- Data Transfer

| Model | MS3830 Wheelchair Scale | |
|---|---|---|
| Capacity | 300 kg | 7. sveriamoji galia |
| Graduation | 100g | 7. padalos vertė |
| Overall Dimensions | 1150(D) x 800(W) x 66(H) mm 2. Bendri svarstyklių matmenys | |
| Platform Dimensions | 900(D) x 740(D) 2. Platformos ilgis ir plotis | |
| Device Weight | 28.6 kg | |
| Power Supply | AA batteries*6 / Power Adapter / Rechargeable battery pack (optional) | 11. maitinimas |
| Accessories | Thermal Printer, Display Stand, Handrails | |

# Explanation of Graphic Symbols on Label/Packaging

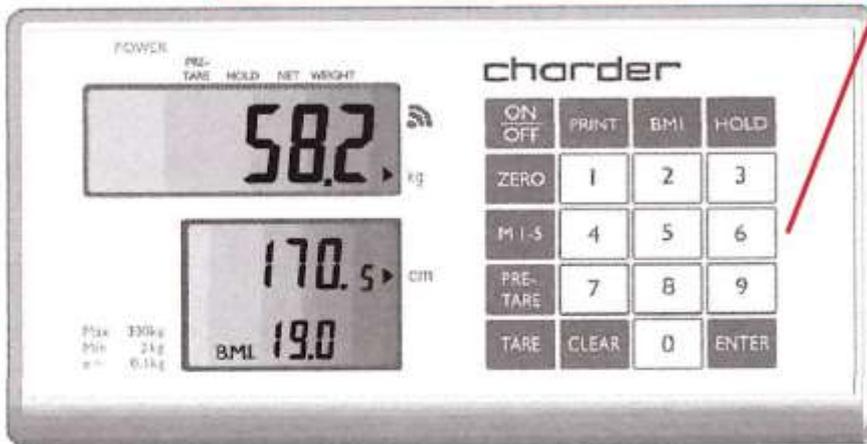| Symbol | Description | Symbol | Description |
|---|---|---|---|
| ⚠ | Caution, consult accompanying documents before use | (crossed-out wheeled bin) | Separate collection for waste of electrical and electronic equipment, in accordance with Directive 2002/96/EC |
| (factory symbol) | Manufacturer of medical device | (factory with roof peak) | Manufacturing year of medical device |
| (read manual symbol) | Carefully read user manual before installation and usage, and follow instructions for use. | (standing figure) | Medical electrical equipment with Type B applied part |
| REF | Device catalogue number | EC REP | Authorized representative in the European Community |
| LOT | Manufacturer's batch or lot number | MD | Device is a medical device |
| SN | Serial number | UDI | Unique Device Identifier |
| CE 2460 | | Device conforms to 93/42/EEC as amended by 2007/47/EC Medical Device Directive. Four digit number refers to Notified Body. | |
| (III) | | Device complies with International Organization of Legal Metrology (Class III) requirements (verified models only) | |
| CE M18 0122 | | Device complies with EC directives (verified models only)  M: Conformity label in compliance with Directive 2014/31/EU for non-automatic weighing instruments  18: Year in which conformity verification was performed and the CE label was applied. (ex: 18=2018)  0122: Refers to Notified Body for metrology | |

16. medicinos prietaisas

5. III tikslumo klasė

12. "M" ženklinimas - atlikta pirminė metrologinį patikra

# III. Indicator

## A. Indicator and Key Functions

POWER  PRE-TARE  HOLD  NET  WEIGHT

charder

**58.2** ▸ kg

**170.5** ▸ cm

Max 330kg
Min 2kg
e = 0.1kg

BMI **19.0**

| ON/OFF | PRINT | BMI | HOLD |
| ZERO | 1 | 2 | 3 |
| M1-5 | 4 | 5 | 6 |
| PRE-TARE | 7 | 8 | 9 |
| TARE | CLEAR | 0 | ENTER |

(Wireless functionality optional)

## Key Function

1. ON/OFF: Power on or power off.

2. ZERO: Reset display to 0.0 kg display. Press and hold for 3 seconds to enter device settings.

3. M1-5: Saving pre-tare values (up to 5)

4. PRE-TARE: Pre-tare the known weight of an object (ex: chair) before beginning measurement.

5. TARE: Allows user to deduct weight from reading after measurement

6. PRINT: When printer or PC is connected to the scale, press this key to print results

7. BMI: Calculation of Body Mass Index

8. HOLD: Determine stable weighing value - used when weight is unstable. Press and hold to enter time setting.

9. 0-9: For entering digits.

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# IV. Using Device

## A. Basic Operation

Switch on the device using [ON/OFF] key. The device will automatically perform self-calibration, displaying software version.

Once "0.00 kg" appears on indicator, device is ready for measurement.

**Note**: If "0.00 kg" does not display on indicator, press [ZERO] key to zero the device.

Push wheelchair (with seated subject) onto measurement platform. After weight has stabilized, the "stable" symbol will appear on indicator.

**Note**: If total weight (subject + wheelchair) exceeds scale capacity (including tare), indicator will display "Err" prompt due to overload.

## B. Hold

The hold function determines average weight, designed to be used if subject's weight will not stabilize (ex: an active child).

**Note:** if fluctuation is too severe, average weight determination will be difficult and hold may not function correctly

1. Switch on the device normally.

2. Press the [HOLD] key. "HOLD" will be displayed on the indicator.
3. Push wheelchair (with seated subject) onto measurement platform.
4. After a two seconds, the average weight will be displayed on the indicator. This weight will be locked - at this point, subject can step off from device.

5. To release the locked weight, press the [HOLD] key again to return to the device to normal mode.

**Note**: Hold function can be activated before or after pushing wheelchair onto measurement platform. However, if subject finds it difficult to stand still, we recommend activating Hold after subject stands on platform.

## C. BMI

1. In normal mode, press the [BMI] key to enter BMI mode.
2. Display will show last recorded height. Left-most digit will flash.

## C. BMI

1. In normal mode, press the **[BMI]** key to enter BMI mode.
2. Display will show last recorded height. Left-most digit will flash.
3. Enter height using numeral keys (ex: 170 cm). Input will automatically

move to next digit. Press [CLEAR] key to re-input. Press [TARE] key to manually move to next digit.

4. After inputting height, press [ZERO] to confirm.
5. Proceed to weigh subject as usual. Indicator will display weight, height, and BMI.

10. Vienu metu matomi 3 rodmenys: svoris, ūgis, KMI

**NOTE**: Hold function can be used at this time if weight is unstable

6. Press [BMI] key to return to normal mode.

| Category | BMI (kg/m$^2$) | Risk of obesity-related disease |
|----------|----------------|----------------------------------|
| Under | < 18.5 | Low |
| Normal | 18.5-24.9 | Average |
| Over | 24.9-29.9 | Slightly Increased |
| Obese I | 30.0-34.9 | Increased |
| Obese II | 35.0-39.9 | High |
| Obese III | > 40 | Very High |

(World Health Organization adult BMI standards)

## D. Tare

The tare function allows the user to deduct the weight of objects from the device's measurement result.

1. Place object that needs to be tared onto measurement platform.

2. Press [TARE] key after stable symbol appears on indicator. Display will indicate "0.00 kg".
3. Guide subject (plus tared object) to be weighed upon measurement platform. Conduct measurement.
4. To clear tare value, remove all objects from measurement platform,

and press [TARE] key.

## E. Pre-Tare

The Pre-Tare function is used to subtract the known weight of a

substance prior to weighing. The device can store 5 sets of pre-tare

values. (ex: 5 different wheelchair weights)

# IX. Product Specifications

| Model | | MS3830 |
|---|---|---|
| Display | | DP3710 |
| Weight Measurement | Capacity | 300 kg x 0.1 kg |
| | Accuracy | ± 1.5e |
| | OIML | Class III |
| | LCD Screen | 1.0-inch LCD screen (5 1/2 digits) |
| Dimensions | Overall | 1150(W) x 800(D) x 66(H) mm |
| | Platform | 900(W) x 740(D) mm |
| Device Weight | | 28.6 kg |
| Key Functions | | On/Off, Zero, Print, BMI, Hold, Pre-Tare, Tare, Clear, Enter, 0~9, M1-5 |
| Data Transmission | | USB, Wireless Module (optional)<br><br>**NOTE**: Device should be connected to network by qualified distributors only |
| Power Supply | | Rechargeable battery pack (optional) or 6 AA batteries / Power adapter |
| Operation Temperature & Humidity | | 0°C~40°C    15% / 85% RH |
| Standard Accessories | | (see accessory list) |
| Optional Accessories | | Thermal Printer, Handrail Set, Indicator Stand |

Annotations (handwritten, right margin):
- 7. sveriamoji galia
- 8. padalos vertė
- 5. III tikslumo klasė
- 4. LCD ekranas rezultatų atvaizdavimui
- 2. Svarstyklių matmenys
- 9. Funkcijos
- 11. Maitinimas

## B. Display layout

**Unit Mark (kg)**
Indicates that the weight is
shown in pounds

○ POWER    PRE-    HOLD    NET    WEIGHT
           TARE

**Power Index**

100% → 75% → 50% → 25%

**188888**    kg

**Unit of height (cm)**
Indicates that the height is
shown in centimeters

**888.8** ▶ cm

**BMI**
Body Mass Index is a height to
weight ratio, and is calculated
by the following formula

B.M.I. **88.8**

**Definitions**
**Stable symbol**: Indicate that weight is stable.
**Zero symbol**: Weight is at zero
**Minor weight**: Weight under zero.
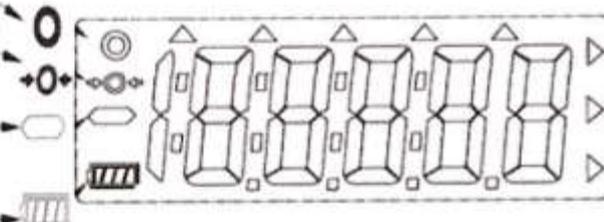**Low battery**: Battery needs to be charged or replaced.

Stable Symbol
Zero Symbols
Minor Weight
Low Battery

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## B. Device Setup

When the device is switched on, press and hold the **[ZERO]** key for about 3 seconds, until the display shows the "SETUP", followed by "A.OFF" (first option in setting menu).

In device setup menu:
**[TARE]** to toggle next menu option
**[ZERO]** to toggle previous menu option
**[HOLD]** to confirm selection / enter submenu

## ᴿ.OFF

**Auto Power-Off**: Instruct device to shut off automatically after a certain period of time.

9. Auto-OFF funkcija

Auto off options: 120 sec / 180 sec / 240 sec / 300 sec / off

Press **[HOLD]** to toggle between time options, and **[TARE]** to confirm selection.

## bUrr

**Buzzer/Beep**:
When function is turned on, beeping noise will be made when: indicator is turned on, keys are pressed, and weight is stable.

Press **[HOLD]** to toggle between on/off, and **[TARE]** key to confirm selection.

## HoLdS

**Hold Stop**: When Hold Stop is "on", Hold will deactivate after subject leaves measurement platform.

Press **[HOLD]** to toggle between on/off, and **[TARE]** key to confirm selection

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