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# СТ-200 light

## Ultrasound Bone Densitometer



# Highly Accurate Measurement. Easy and Sho

**CM-200 light (Ultrasound Bone Densitometer) measures human bone density by using ultrasound technology.**

**With non-invasive nature of ultrasound and easy-to-use interface operation, CM-200 light is most suitable for screening test for osteoporosis.**

## High Accuracy

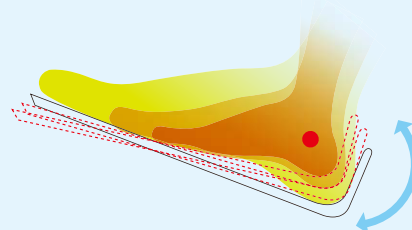
### Heel Temperature Sensor (option)

The measurement result tends to vary depending on heel temperature. CM-200 light provides highly accurate measurement by temperature correction with the heel temperature sensor.



### Adjustment of Measurement Site

To measure the center of the heel bone and enable precise measurements, the footplate has 5 adjustable levels.



## Data Management by Utility Software

Dedicated utility software for data management is available with the CM-200 light. Connecting the CM-200 light to a PC with the utility software installed not only enables data management, but also enables accuracy control and registration of patient information.



## Bluetooth® Connectivity (option)

Wireless connectivity with the device and PC is available with Bluetooth®. You will be free from a complicated wiring, and broadens the possibilities of installation space or operational flexibility.



\* The software associated with Windows® tablet is currently under development

# Short Time Operation. Portable Compact Design.

## Portable Compact Design

CM-200 light is easy to carry (weight: approx. 9kg, W495 x D310 x H200 mm) and can be used in any area. Most suitable for group or mobile screening for osteoporosis.

## Easy to Use

Simple step for measurement and procedure display of accuracy management enables easy-to-use interface for everyone.

## Short Time Operation

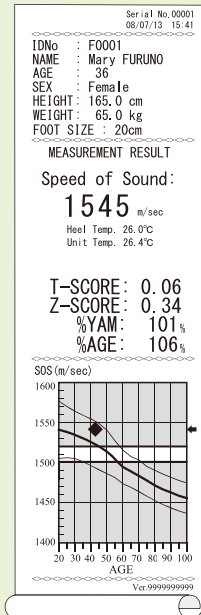
Easy-to-operate, and only 3-10 seconds for the measurement.

## OPERATION PROCEDURE

- 01 Input patient information.
- 02 Adjust the foot plate to foot size of patient by using the foot size dial.
- 03 Apply the acoustic gel to both sides of the probe.
- 04 Wipe the measurement site (heel) with an alcohol swab. Then place the foot on the foot plate, fixing it between the probes.
- 05 Press the measurement start button. The measurement takes 3-10 seconds.



## PRINTED RESULT



## SPECIFICATIONS

|                                            |                                                                                                |
|--------------------------------------------|------------------------------------------------------------------------------------------------|
| Measurement Site                           | Calcaneus (Heel bone)                                                                          |
| Measurement Method                         | Ultrasound Pulse Penetration                                                                   |
| Measuring Parameter                        | SOS (Speed of Sound)                                                                           |
| Measurement time                           | 3-10 seconds                                                                                   |
| Measurement Precision                      | %CV : 0.5% or better (In test cases measurement)                                               |
| Result Display                             | SOS, T-score, Z-score, %YAM, %AGE, Bone age,<br>Measurement result with graphic display        |
| Measurement Type                           | Dry type (acoustic gel)                                                                        |
| Environmental Condition                    | Operation<br>Temperature : 10 to 35°C<br>Humidity : 35 to 85%RH (non condensing)               |
|                                            | Storage Transportation<br>Temperature : -10 to 50°C<br>Humidity : 30 to 85%RH (non condensing) |
| Power Supply Voltage / Consumption Current | 100-120V / max 0.6A<br>200-240V / max 0.3A                                                     |
| Power Frequency                            | 50 Hz or 60 Hz                                                                                 |
| Dimensions                                 | W495mm x D310mm x H200mm                                                                       |
| Weight                                     | Approx. 9kg                                                                                    |
| External Interface                         | USB,* Bluetooth® (option)                                                                      |

\* USB cannot be used for any purpose other than connection of utility software.

## Optional Feature

|                         |
|-------------------------|
| Operating Panel         |
| Printer                 |
| Bluetooth®              |
| Heel Temperature Sensor |

## Consumable Goods

|                    |
|--------------------|
| Acoustic Gel       |
| Printer Roll Paper |

\* In case of installation of optional printer.



## Utility Software

Utility software for CM-200 light data management is available as a standard accessory.

Feasible operation are as follows.

- measurement operation
- accuracy management
- data management of patient information and measurement result



\* The software associated with Windows® tablet is currently under development

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