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Operating instructions

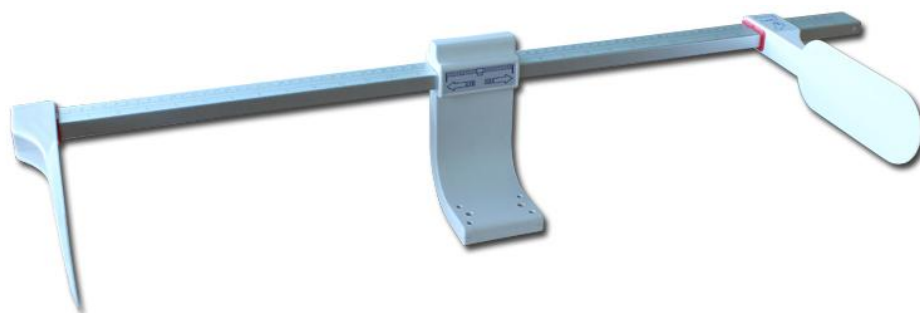
Height measuring rod

KERN MBC-A01

Version 1.3

05/2013

GB



MBC-A01-BA-e-1313



KERN MBC-A01

Version 1.3 05/2013

Operating instructions for body height meter

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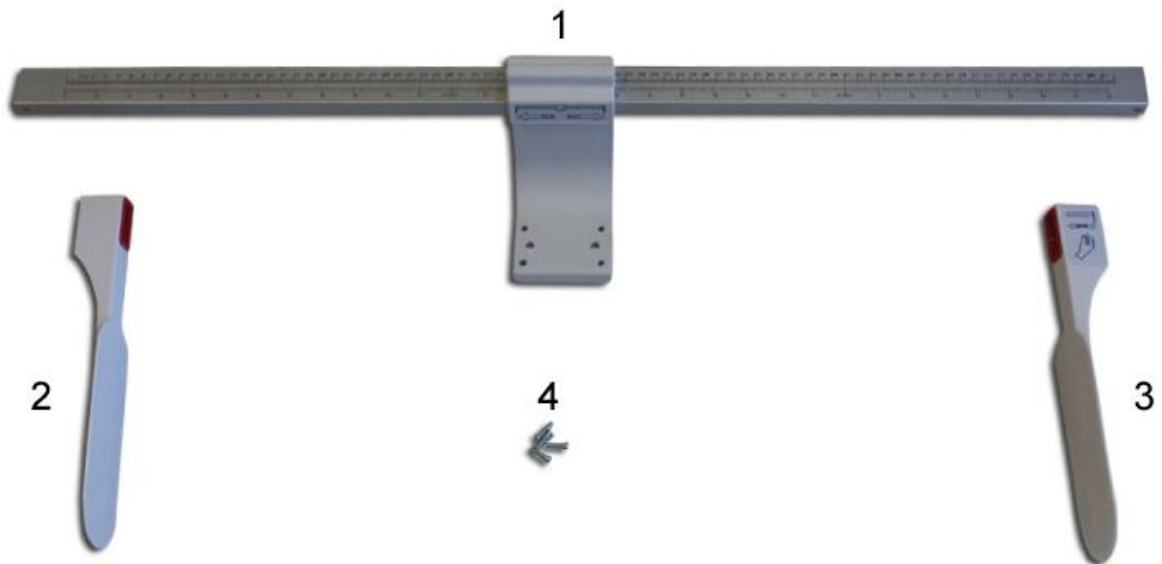
1 Technical data

KERN	MBC-A01
Measuring range	10 – 80 cm
Readability	1 mm
Tolerance	5 mm
Dimensions (W x H x D)	88.5 x 17 x 12
Temperature range	+10°C ... +40°C
Net weight	approx. 800 g
Admitted as medical product as per Guideline 93/42/EWG (CE 0297)	Category I with measuring function



The height meter is only suitable for use with baby weighing scale KERN MBC-M.

2 Scope of delivery



- 1 Measuring rod
- 2 Head stop
- 3 Foot stop
- 4 Screws (4 x)

3 Explanation of the graphic symbols

SN WF 12xxx

Designation of the serial number of every device, applied at the device and on the packaging.

Number here as example



2012-08

Identification of the manufacturing date of the medical product.

Year and month here as example



„Attention observe accompanying document“, or
„Follow operating instructions“



„Follow operating instructions“

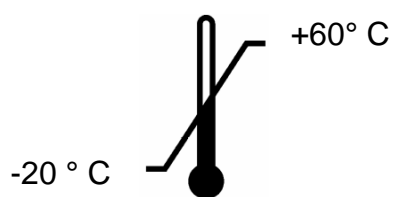


„Follow operating instructions“



**Kern & Sohn GmbH
D – 72336 Balingen
Ziegelei 1**

Manufacturer's marking of
medical product including address



Temperature limitation
indicating the upper and the lower limit
(storage temperature on packaging)

Temperature indication as example

10°C / 40°C

Temperature limitation in the application
indicating the lower and the upper limit
(Allowable ambient temperature)

Temperature indication as example

4 Basic Information (General)



This height measuring rod according to guideline 93/42/EWG is provided for determination the body height in medical practice and for medical survey, examination and treatment.

Defined purpose

Indication:

- Determining the body height in the medical practice area.
- For a baby resting on his/her back, attach the measuring rod in such a way on head and feet that you can read the body height on the scale.

Contraindication:

No contraindication known.

Proper use

This height measuring rod is designed for measuring the height of a baby resting on his/her back, in medical treatment rooms. This height measuring rod is suitable to detect, prevent and survey diseases.

Ensure that the height measuring rod may only come into contact only with uninjured skin.

Improper Use

The structure of the height measuring rod may not be modified. This may result in incorrect measuring results, safety-related defects as well as destruction.

The height measuring rod may only be used according to the described conditions. Other areas of use must be released by KERN in writing.

Warranty



Warranty claims shall be voided in case

- Our conditions in the operation manual are ignored
- The appliance is used outside the described uses
- The appliance is modified or opened
- Mechanical damage or damage by media, liquids, natural wear and tear.
- Non correct implantation or assembly.

Test device control

For height measuring rods, we recommend a metrological examination of the accuracy of the measuring rod, however, this is not mandatory as the determination of human body height involves rather large, intrinsic inaccuracies.

5 Basic Safety Precautions

	<p>⇒ Carefully read this operation manual before setup and commissioning, even if you are already familiar with KERN balances.</p> <p>⇒ All language versions contain a non-binding translation. The original German is binding.</p>	
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Staff training

The medical staff must apply and follow the operating instructions for proper use and care of the product.

Avoiding contamination

In order to avoid crossed contamination (fungal disease,...) the parts coming into contact with the patient must be cleared regularly.

Recommendation:

After every application which could have a potential contamination as consequence (e.g. direct contact with the skin).

Safety Instructions

- Observe operating instructions.
- Please use no other than the supplied fixtures for mounting.
- Ensure during installation that the height measuring rod has been assembled correctly.
- When shifting the measuring rod, ensure that the baby does not come to any harm.
- Reliable values of body height measurements are only achieved if the heel, back and head are aligned in a straight line.
- Do not attach the height measuring rod to any other but the baby weighing scale KERN MBC-M.
- During installation make sure that the screws are fitted firmly.
- Do not leave a baby unattended.
- When shifting the measuring rod make sure that neither the hands nor the feet of the baby are resting on the measuring rod.
- Clean and disinfect the measuring rod at regular intervals.
- To achieve correct height measuring, we recommend that you involve a second person.

6 Unpacking/installing

**Testing upon
acceptance**

Please check packaging as well as the device on receipt for possibly visible external damages.

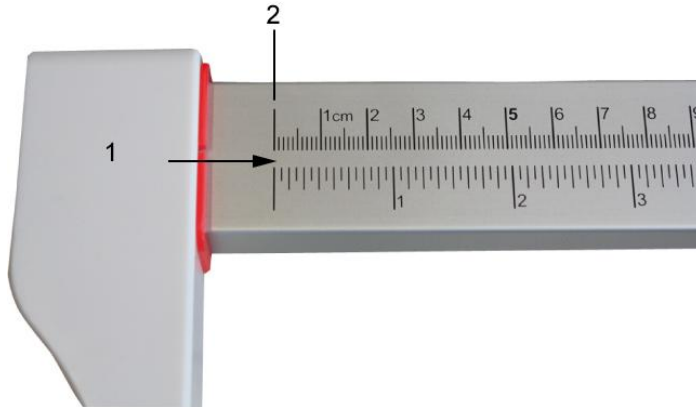
**Packaging/
Return**

Keep all parts of the original packaging for a possibly required return.
Only use original packaging for returning.

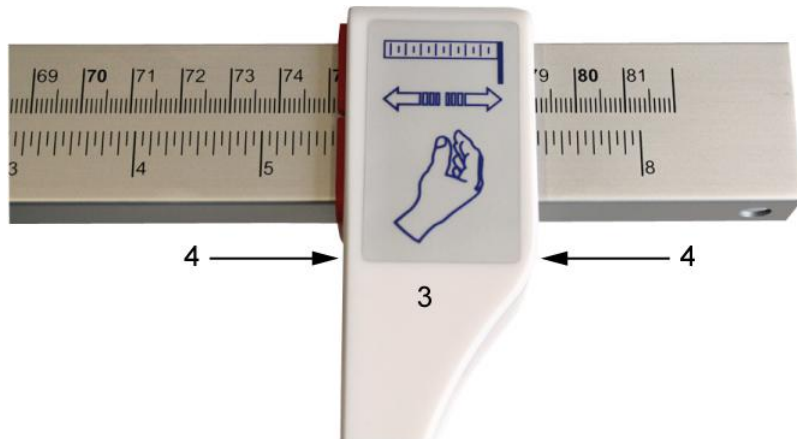
7 Assembly

How to assemble the height meter:

Attach the head stop (1) to the left side of the measuring rod and shift it to the zero mark (2) of the scale.



Attach the foot stop (3) to the right side of the measuring rod and shift it to the left as far as you wish.



Hold the foot stop in the area of the measuring rod when shifting it (4)

How to attach the height meter to the weighing scale:

Attach the height meter to the bottom end of the weighing scale with the help of the supplied screws.



When screwing down the height meter make sure that you do not apply too much pressure on the weighing pan as that may damage the weighing cell.

8 Body height measurement

Ensure that the head stop (3) is placed exactly on the zero mark (2) of the measuring meter.



- ⇒ Put the baby in the centre of the weighing pan.
- ⇒ Move the height measuring rod (2) carefully to the right until the head stop (3) gently touches the baby's head
- ⇒ To achieve correct measurement we recommend that you involve a second person.
- ⇒ Do not leave a baby unattended.
- ⇒ When shifting the measuring rod, make sure that no harm is done to the baby and that its hands and feet do not rest on the measuring rod.
- ⇒ Press the baby's knees gently onto the weighing pan.
- ⇒ Move the foot stop (4) carefully towards the bottom of the baby's feet and keep the baby immobile.
- ⇒ On the scale read the baby's size.



A correctly exercised height measurement will achieve an accuracy of ± 5 mm.

9 Cleaning / disinfecting

Clean the height meter with household detergent or commercially available disinfectant. Please follow manufacturer's instructions.

Do not use abrasive or aggressive cleaners such as spirits or alcohol or similar as they might damage the high-quality surface.

The prevention of cross-contamination (fungal skin infections,.....) requires regular cleaning of the body height meter. Recommendation: after a measuring procedure that could potentially result in contamination (e. g. after measuring that involves direct skin contact).



Do not spray the height measuring rod with disinfectant.
Remove dirt immediately

10 Declaration of conformity

Declaration of conformity

Konformitätserklärung für Geräte mit CE-Zeichen
Declaration for appliances with CE mark
Declaración de conformidad para equipos con rótulo CE
Déclaration de conformité pour les appareils avec marque CE
Dichiarazione di conformità per apparecchi con contrassegno CE
Conformiteitverklaring voor apparaten met CE-merkten

Series: KERN MBC-A01
Serial No.: XXXXXXXXXXXX

D Wir erklären hiermit unter alleiniger Verantwortung, dass das Produkt, auf das sich diese Erklärung bezieht, mit den nachstehenden Richtlinien übereinstimmt.

Das Produkt wurde unter Berücksichtigung untenstehender Normen gefertigt und entspricht den genannten Richtlinien. Die Produkte sind konform mit den Grundlegenden Anforderungen des Anhang I der EG-Richtlinie 93/42/EWG und dürfen somit mit CE 0297 gekennzeichnet und von uns in Verkehr gebracht werden. Das Konformitätsbewertungsverfahren wurde nach RL 93/42/EWG, Anhang V durchgeführt. Das QS-System steht unter der Überwachung der Benannten Stelle DQS Medizinprodukte GmbH, August-Schanz-Straße 21, 60433 Frankfurt/Main, Deutschland, Kürzel 0297.

GB We hereby declare and assume sole responsibility for the declaration that the product complies with the standards hereinafter.

The product was manufactured subject to all norms and complies with the standards stated. The products are in conformance with the basic requirements specified in Appendix I of EC Directive 93/42/EC and we are therefore entitled to apply the CE 0297 mark and to put these products into circulation. The appraisal procedure was carried out as per Directive 93/42/EC, Appendix V. The QA system is supervised by the notified body DQS Medizinprodukte GmbH, August-Schanz-Straße 21, 60433 Frankfurt/Main, Germany, abbreviation 0297.

E Manifestamos bajo sola responsabilidad en la presente que el producto al que se refiere esta declaración está de acuerdo con las normas siguientes.

El producto ha sido fabricado considerando las normas de abajo y corresponde a las directivas nombradas. Los productos están conformes con los requisitos fundamentales del anexo I de la directiva CE 93/42/EWG pudiendo así ser marcados con CE 0297 y puestos en circulación por nosotros. El procedimiento de evaluación de conformidad ha sido ejecutado según RL 93/42/EWG, anexo V. El sistema QS está bajo el control del organismo nombrado DQS Medizinprodukte GmbH, August-Schanz-Straße 21, 60433 Frankfurt/Main, Alemania, abreviación 0297.

F Nous déclarons par la présente que le produit auquel se réfère cette déclaration est conforme aux normes ci-après.

Le produit a été fabriqué compte tenu des normes ci-après et est conforme aux directives citées. Les produits sont conformes aux exigences fondamentales de l'annexe I à la directive CE 93/42/CEE et peuvent donc porter le label CE 0297 et être mis en circulation par nous. La procédure de certification de la conformité a été réalisée en fonction de RL 93/42/CEE, annexe V. Le système de suivi de la qualité se trouve sous le contrôle de l'organisation citée DQS Medizinprodukte GmbH, August-Schanz-Straße 21, 60433 Francfort/Main, Allemagne, sigle 0297.

I Dichiariamo con ciò in responsabilità unica che il prodotto al quale la presente dichiarazione si riferisce è conforme alle norme di seguito citate.

Il prodotto è stato fabbricato tenendo in considerazione le norme sottostanti e corrisponde alle direttive indicate. I prodotti sono conformi ai requisiti fondamentali dell'appendice I della direttiva CE 93/42/EEG e possono essere marcati con CE 0297 e quindi messi in circolazione da noi. Il procedimento di valutazione per la conformità è stato eseguito secondo RL 93/42/EEG, Appendice V. Il sistema QS è sotto il controllo del centro competente DQS Medizinprodukte GmbH, August-Schanz-Straße 21, 60433 Frankfurt/Main, Germania, abbreviatura 0297.

NL Wij verklaren hiermede op exclusieve verantwoordelijkheid dat het product, waarop deze verklaring betrekking heeft, met de hierna volgende richtlijnen overeenstemt.

Het product werd met inachtneming van de onderstaande normen vervaardigd en voldoet aan de vermelde richtlijnen. De producten zijn conform met de fundamentele, door bijlage I van de EG-richtlijn 93/42/EEG gestelde eisen en mogen bijgevolg met CE 0297 gekenmerkt en door ons in omloop gebracht worden. Het procédé ter beoordeling van de conformiteit werd conform RL 93/42/EEG, bijlage V doorgevoerd. Het kwaliteitsborgingsysteem staat onder toezicht van de benoemde instantie DQS Medizinprodukte GmbH, August-Schanz-Straße 21, 60433 Frankfurt/Main, Duitsland, afgekort 0297.

Mark applied	EU Directive
CE 0297	93/42/EEC

Datum 30.10.12

Date

Ort der Ausstellung 72336 Balingen

Place of issue

Signatur
Signature



Albert Sauter
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