Gebrauchsanweisung

Aneroid Blutdruckmessgerät und Manschette

Instructions

Aneroid Sphygmomanometers and Cuffs

Mode d' emploi

Tensiomètres anéroïdes et brassards

Instrucciones para el uso

Esfigmomanómetros aneroides y brazaletes

инструкция по эксплуатации Анероилдные тонометры

и манжеты

Istruzioni per l' uso

Sfigmomanometri aneroidi e bracciali







English Information on the various models of Riester aneroid sphygmomano meters

You have acquired a high-quality **Riester** precision aneroid sphygmomanometer, which has been manufactured in accordance with the ISO 81060-1: 2007 standard [DIN EN ISO 81060-1: 2013] and is subject to the strictest quality controls. The excellent quality will guarantee years of reliable measurements.

Intended purpose: The aneroid sphygmomanometers from Riester are used by physicians and persons trained in auscultatory blood pressure measurement to determine the systolic and diastolic blood pressure in humans (adults, children, babies and neonates). Riester aneroid sphygmomanometers are intended exclusively for blood pressure measurement on healthy skin on the upper arm or thigh. The product is normally used professionally in a medical practice or a hospital. The sphygmomanometer/aneroid manometer is intended for use as a diagnostic aid.

Product description / indication: All blood pressure measuring devices / aneroid manometers distributed by company Rudolf Riester GmbH are of the same basic structure. Blood Pressure measuring devices / anero-id manometers consists of measuring system, cuff and inflation system (consisting of the pump [ball with non-return valve], and the screw valve [air lock or air drain].] All devices work according to the same measuring principle: Indirect blood pressure measurement according to the Korotkoff method.



-If there is overpressure in the cuff, you can reduce the pressure with the quick release. For units with air release valve: fully open the air release screw. For devices with push-button valve: Press push-button valve completely.

Use the ball to pump up the cuff up approximately 20mmHg above the expected systolic blood pressure value let the upper valuel. Never inflate higher than 300mmHg.

-The cuffs are offered with latex-free and latex materials. These are indicated by corresponding symbols on the cuff.

The cuff.

-Pay attention to the paragraph _blood pressure measurement" in the instructions for use, the blood pressure measurement can only done from doctors and persons trained in auscultatory blood pressure measurement.

-Observe the measurement and storage conditions in the instructions for use under _Technical data" and the information on the label.

-Check the pointer zero position as described in _Test of precision".

ольсь ите ролнет дето розного аs described in "lest of precision".
-For Germany, the Medical Devices Operator Ordinance applies. See also point "metrological control".
-A description of where the LOT No. is located can be found in the cuff table at the end of the instructions for use

 Models exacta® and sphygmotensiophone
 They are equipped with 2-tube cuffs because the pressure gauge is not directly connected to the inflation 2. Models e-mega, R1 shock-proof®, minimus® II, precisa® N, precisa® N shock-proof, babyphon® and risan® 1-tuba

and ri-san* 1-tube.
They are equipped with 1-tube cuffs. Here the inflation system is directly connected to the manometer.

3. Models e-mega, minimus* III, precisas* N double-tube
They are equipped with double tube cuffs. Here the inflation system is directly connected to the manometer.

4. Models sanaphon* and ri-san*
These devices are devices for self-measurement. The manometer and the inflation system form a unit. In the 1-tube cuff, a chestipiece is integrated, which absorbs the Korotkoff sounds and forwards them to the ear via the

Installation instructions for the different models (with the exception of the desk model):

5.1. Wall modell / in-former® big ben
Remove the wing nut underneath the cuff basket and take off the wall bracket. Hold the bracket against the wall at the desired location and mark the positions of the mounting holes for drilling. Drill the holes and insert screw anchors in them. Now you can fasten down the wall bracket with screws. Place the unit on the wall bracket but the top part of the wall bracket engages the edge of the cuff basket and the bottom part fits over the screw that protrudes from the underside of the cuff basket. Now replace and tighten the wing nut on the protruding screw.

back of universal clamp No. 10384 using the screws included. Place the unit on the wall bracket so that the top part of the wall bracket engages the edge of the cuff basket and the bottom part fits over the screw that protrudes from the underside of the cuff basket. Now replace and tighten the wing nut on the protruding screw.

Selection of suitable cuff sizes A. Nylon-velcro cuffs, Disinfectable one piece cuff

Nylon-Velcro cuffs [Two Piece Reusable Velcro Cuff), The following cuff sizes are available for all models [except sphygmotensiophone, sanaphone and exactae, see cuff table: Disinfectable one piece cuff [One Piece Reusable Velcro Cuff One Tube/Two Tube), The following cuff sizes are available for all models [except sphygmotensiophone, sanaphon, ri-san self-measurement and exactal, see cuff table:

sanaphon[®] and ri-san[®] [Two Piece Reusable D-Ring Cuff Self-Mesurament]:

Measure your arm circumference to make sure that it lies within the range indicated on the cuff. The following sizes are available: child, adult, large adult and thigh. These sizes correspond to the circumferences given in the above table.

B. Cotton-velcro cuffs self-measurement [Two Piece Reusable Cuff sphygmotenslophone]:
Our cotton-velcro cuffs have a tufted strip on one side and hooks on the other. This ensures that the cobe easily opened and closed quickly and repeatedly. Measure your arm circumference to make sure tha within the range indicated on the cuff.

The following cuff sizes are available for the models listed below, see cuff table: sphyamotensiophone:

C. Cotton hook cuffs (Two Piece Reusable Hook Cuff):

On one side of these cuffs, metal bars have been worked into the fabric covering; metal hooks have been riveted to the fabric on the other side. The metal hooks are inserted into the metal bars in the cuff fabric. Measure the circumference of your arm to make sure that it lies within the range indicated on the cuff.
The following cuff sizes are available for the models listed below: R1 shock-proof®, minimus® II, minimus® II, bigipen Round / Square (all versions) and ri-san, siehe cuff table:

D. Cotton bandage cuffs (Two Piece Reusable Bandage Cuff): There is a bandage strip and a hook on one side of the bandage cuff. To attach the cuff, simply insert the hook into the bandage strip. Measure the circumference of your arm to make sure that it lies within the range indicated on the cuff.

- The following cuff sizes are available for the models listed below: R1 shock-proof®, minimus® II, minimus® III, bigben Round / Square lall versions) and ri-san®, see cuff table:

 Patient position for intended use: sit comfortably, legs not crossed, back and arm supported, center of cuff on the upper arm at the level of the right cardiac atrium; the patient should be as relaxed as possible and should refrain from talking during the measuring process; approx. 5 minutes should elapse before the first measurement is taken.

 Close the valve by turning the deflation screw clockwise [except in the case of ri-san®].

 Putting on the cuff. Put the cuff on in such a way that the lower edge of the cuff is approx. 2 to 3 cm above the crook of the arm (level of the right cardiac atrium) or approx. 5 cm above the knee joint. Make sure that the marking sign is placed above the artery. The white index strip should be within the marked index range.

 After putting on the cuff, inflate the cuff to approx. 20 mmHg above the expected systolic blood pressure value [e the upper value] with the aid of the ball.

 When measuring blood pressure, the position of the operator is normally in front of the patient or at the patient's side.

- patient's side. It is recommended to use phase V of the Korotkoff sounds (K5) for auscultatory measurement in adults, to use phase IV of the Korotkoff sounds (K4) for auscultatory measurement in children aged 3 to 12 years, and to use phase V of the Korotkoff sounds (K5) for auscultatory measurement in pregnant female patients, except if the Korotkoff sounds can be heard during deflation of the cuff if this is the case, K4 is
- patients, except if the Korotkoff sounds can be heard during deflation of the cuff if this is the case, K4 is to be used.

 Place the chestpiece of the stethoscope, preferably our model anestophon, catalog no. 4177-01 4177-05, above the artery underneath the cuff.

 For the units intended for home use, no separate stethoscope is needed, since the chestpiece is integrated in the cuff. If a unit intended for home use is used, the membrane of the chestpiece installed in the cuff must be placed above the artery. The cuff is put no by pulling the free end of the cuff through the metal retainer and closing the cuff with the aid of the hook-and-loop fastener.

 A. Nylon-velcro cuffs: Close the cuff using the Velcro hook-and-loop fastener.

 B. Bandage cuffs: Fasten the bandage cuff by hooking the hook onto the bandage strap.

 C. Hook cuffs: In the case of a hook cuff, the metal hook is hooked onto the small metal rods of the cuff cover.

 To enable blood pressure measurement, onen the deflation screw by turning it counterclockwise. The de

again filling up with blood.

The blood pressure measurement has been completed.

We would like to point out to you that a unit intended for home use does not replace regular visits to the doctor and that only the doctor can accurately analyze your measured values. How to care for the aneroid sphygmomanometer General information

The goal of cleaning and disinfection of medical products is the protection of patients, users and third persons and conserving the value of the medical products. On account of the product design and the used material, or defined limit of maximum processing cycles can be fixed. The lifetime of the medical products depends on their function and on a appropriate treatment of the devices. Before returning faulty products for repair they must have none through the described reprocessing process.

1. Manometer and bulb Manometer and bulb can be cleaned outside with a humid cloth until optical cleanness is given.

ATTENTION!Never place the manometer in liquid! This item is not approved for automated reprocessing and sterilization. These procedures cause irreparable damage!

Cuffs Cotton and Nylon velcro cuff (latex and latex free) Cleaning:

ng the bladder, wash the cuff covers in cold water to which disinfectant has been added. After-rm air dry, Only disinfectants with approved efficiency and in accordance with the national sta dards wards, let them air dry. Only disinfectants with approved efficiency and in accordance with the name of the bladder and tubes can be used. The bladder and tubes can be wiped with a cotton cloth moistened with ethanol.

Maintenance The product does not require any maintenance.

Test of precision Remove the tube from the manometer and hold the manometer in a vertical position. When the pointer stands still at 0 on the scale, the instrument has been adjusted properly. If the pointer is below or above 0, the instru-ment must be recalibrated. Either take it to an authorised **Riester** dealer or send it to us.

Monitoring of instruments
All countries except for Germany:
The respective legal provisions apply for all countries, except for Germany. The reference manometer, which is used for calibration, must be traceable to national and international measurement standards. Warning: It is not allowed to make changes to the device

ntal conditions under which the error tolerance of ±/- 3 mm Hg must

Minimal environmental conditions under which the error tolerance of +/- a minimal environmental conditions:

Measurement conditions:

10°C (50°F) to 40°C (104°F) at a relative air humidity of 85 % (non-condensing)

Storage conditions:

-20°C (-4°F) to 70°C (158°F) at a relative air humidity of 85 % (non-condensing)

Versions:

Aneroid, desk, wall, stand and anaesthetic model

Round scale
Scale graduation:
Round scale
Increments of 2 mm Hg
Measurement range:
0 to 300 mm Hg
Pointer movement:
No stop pin

1 or 2, depending on the particular model

Pressure generation:
Pressure reduction:

Air-release valve that can be regulated

rmation on disposal from your appropriate local facility or from your local env-

WARRANTY

This product has been manufactured under the strictest quality standards and has undergone a thorough final quality check before leaving our factory. We are therefore pleased to be able to provide a warranty of 2 years from the date of purchase on all defects, which can verifiably be shown to be due to material or manufacturing faults. A warranty claim does not apply in the case of improper handling, all defective parts of the product will be replaced or repaired free of charge within the warranty period. This does not apply to wearing parts. For RI shock-proof, we grant 5 years, for precisa N shock-proof, 3 years for the calibration, which is required by CE-certification. A warranty claim can only be granted if this Warranty Card has been completed and stamped by the dealer and is enclosed with the product. Please remember that all warranty claims have to be made during warranty period. We will, of course, be pleased to carry out thestos or repairs after expiry of the warranty period a charge. You are also welcome to request a provisional cost estimate fromus free of charge. In case of a warranty claim or repair, please return the Riester product with the completed Warranty Card to the following addre

Auf dem Gerät bzw. Auf der Verpackung finden sich folgende Symbole The following symbols are depicted on the packaging. Les symboles suivants figurent sur l'appareil ou sur son emballage. En el dispositivo o en su embalaje encontrará los siguientes símbolos. На прибкре и упакквке имеютск следующие симвилы. Sull'apparectio e/o sulta confezione sono riportati i seguenti símboli

One Priese Reusebilde/Claffo Gruff Whe /Tube /Tube Tube

Two Piece Reusable Cuff Sphygmotensiophone

Two Piece Reusable Hook Cuff

LOT Inside the Com-

Two Piece Reusable Bandage Cuff

Inside the Cover

Inside the Cover

Two Piece Reusable Vettero Cuff

Inside the Cover

On the Cover

Newborn

Small Adult

Small Adult

ieriennummer bzw. Chargennummer, Serial number or batch number Jumméro de série/de lot, Número de serie o de lote **, Серийный номер или номер партии**, Numero di Serie risp.

Datum, Date, Date, Fecha, дата, Data,

Stempel und Unterschrift des Fachhändlers, Stamp and signature of the specialist dealer Cachet et signature du revendeur,



LATEX

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5-7,5cm 7,5 - 13 cm 13 - 20 cm

26 cm

42 - 50 cm 42-50cm

24 - 32 cm 24 - 32 cm

24 - 32 cm 24 - 32 cm

24 - 32 cm 24 - 32 cm

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OT-Nummer / YY = steht für den jeweiligen Monat / XXXX = steht für das

rispettivo anno LOT-номер / YY = обозначает месяц производства / XXXX =

LOT

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