



ri-cardio

**Rudolf Riester GmbH** has been developing and manufacturing devices for blood pressure monitoring for over 60 years. The new **ri-cardio** 24-hour sphygmomanometer complements the extensive range of sphygmomanometers with an additional variant. 24-hour blood pressure monitoring is considered by clinicians worldwide to be the gold standard in blood pressure determination, as it supplies valuable diagnostic data that cannot be acquired by means of conventional sphygmomanometers in the hospital and at home. These are e.g. temporal blood pressure fluctuations, nocturnal blood pressure, nightly fall and morning rise in blood pressure.

## RELIABLE PRECISION

The measuring technique of **ri-cardio** is based on clinically validated technology that is recognized by all three international standards:

- British Hypertension Society (BHS)
- European Society of Hypertension International Protocol (EHS)
- Association for the Advancement of Medical Instrumentation (AAMI) SP10

## PATIENT COMFORT AND COMPLIANCE

- Light and compact design
- **Motion-tolerant technology reduces re-inflates and failed readings**
- Dynamic inflation above previous systolic reduces measurement time
- Quiet pump operation
- Flash memory eliminates the possibility of lost data

## INDICATIONS

- Iatrogenic hypertension
- Therapy-resistant hypertension
- Masked hypertension
- Hypotension under anti-hypertensive therapy

## ri-cardio SOFTWARE

Is a user-friendly, Windows®-based program that allows maximal flexibility in the configuration, analysis, interpretation and reporting of blood pressure studies.

- **Interpretative overview** – automated analysis of blood pressure values for the normal range and nightly fall in blood pressure in accordance with AHA, ESH or JNC 7 guidelines.
- **Analysis of iatrogenic hypertension** – Comparison of the data collected in the first hour with the data set for the full 24 hours. The software automatically points out any possible iatrogenic hypertension.
- **PDF-report compatible with patient data systems** – Creation of a non-editable, electronic report for storage in most
- **Short-report** – A simple report that summarizes the blood pressure graphs, an interpretative overview, the nightly fall in blood pressure, statistics and selected patient data on one page.
- **Clear presentation of the statistical results** – provides statistics for periods of wake and sleep as well as average values in the summary for blood pressure, heart rate, pulse amplitude, mean arterial pressure and blood pressure stress.
- **Time periods** – supplies statistical analyses within a user-defined time window.



## BLOOD PRESSURE CUFF

- **Patented, elastic cuff for a perfect fit without disturbing closure. This prevents from undesired slipping of the cuff and thereby missing measurements, especially at night.**
- Curved design suitable for larger arm circumferences.
- Latex free
- Machine washable due to removable inflatable insert.



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PRODUCT CHARACTERISTICS

## PRODUCT CONTENTS

- **ri-cardio** 24-hour sphygmomanometer
- **ri-cardio** software (CD)
- 2 Orbit™ ABP cuffs (adult and adult plus)
- Carry case with patient belt
- USB interface cable
- 4 AA alkaline batteries
- Instruction leaflet
- 2 year guarantee

## SPECIFICATIONS

- Validated measuring technique: BHS (A/A), ESH, ANSI/AAMI SP10:2002
- Blood pressure measuring technique: Oscillometric with incremental deflation
- Blood pressure measuring range: 25 – 260 mmHg
- Heart rate measuring range: 40 – 200 beats/min
- Acquisition periods: 3 (wake, sleep, special)
- Time intervals: 5, 10, 15, 20, 30, 45, 60, 90 and 120 minutes
- Data storage: Flash memory for up to 250 recordings;  
Storage of several patient datasets possible.
- Power supply: 2 AA alkaline batteries, optionally with charging unit and rechargeable batteries
- Weight: approx. 236 grams with batteries
- Dimensions: 125mm x 70mm x 33 mm
- PC-requirements: Serial interface or USB port,  
Windows® 98 or higher.

## ORDERING INFORMATION

- 1760 **ri-cardio** 24-hour sphygmomanometer  
(see product contents)
- 170 Blood pressure cuff arm circumference 18-27cm  
(adult small)
- 171 Blood pressure cuff arm circumference 25-35cm  
(adult normal)
- 172 Blood pressure cuff arm circumference 33-40cm  
(adult large)
- 173 Blood pressure cuff arm circumference 39-46cm  
(adult extra-large)
- 13201 Carry case for **ri-cardio**
- 13202 Patient belt for **ri-cardio**
- 13203 Shoulder strap for **ri-cardio**
- 13205 Charging unit with batteries for **ri-cardio**