



# big ben<sup>®</sup>

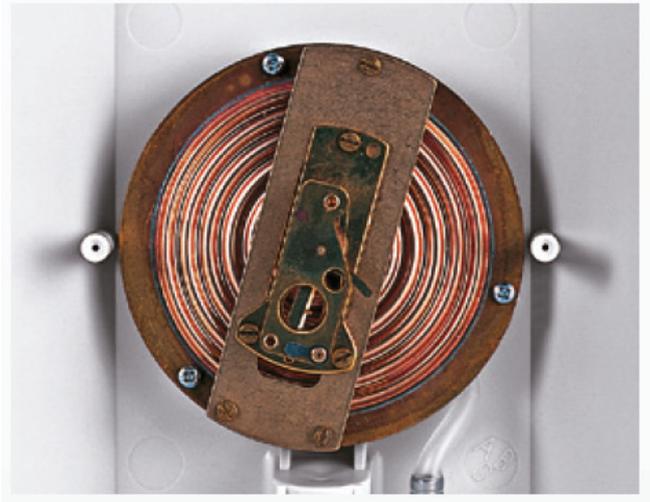
## Sphygmomanometer

**big ben<sup>®</sup>** is a high grade, versatile and robustly designed aneroid sphygmomanometer. Available in round or square versions, offering the versatility in configuration with desk, wall, rail, or floor standing models.



# Lifetime measuring technology

Riester blood pressure measurements differ not only in precision comparable to mercury devices but also in their nearly unlimited lifetime. Specially hardened copper-beryllium membrane resistant to aging. The iconic Riester design and top-quality finish makes the big ben® a popular choice in blood pressure measurements in all clinical environments.



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Available in round or square versions, offering the versatility in configuration with desk, wall, rail, or floor standing models.

- › Easy to read, generously dimensioned scale (Ø 147.2 mm or 145.5 mm)
- › High-contrast visual display
- › Latex free
- › German engineered air-release valve with fine adjustment
- › Micro-filter to protect the release valve and measurement system to prevent contamination to internal mechanisms
- › Wall rail clamp mounting made of glass-fibre reinforced ABS plastic: as strong as steel.
- › Precision mechanism mounted on a special support, in order to ensure complete stability of the BP measuring system and the zero-point for calibration and consistent, accurate readings
- › Approved by the BIHS validation



Chromium-plated screwed tube connection to allow quick changing of cuffs.

big ben® rail model



# High blood pressure is a silent killer

It is a bigger risk factor than smoking, high blood sugar and obesity; in fact, it is the single biggest risk factor for all global disease with an associated cost of 1 trillion dollars over a 10-year period.

Blood pressure measurements are needed for long-term epidemiological studies, medical diagnosis, prevention and treatment of medical conditions and accuracy is of utmost importance.



## big ben<sup>®</sup>

Available as modular option in configuration of the Riester **ri-former<sup>®</sup>**

- › The mobile base is made of higher-quality stainless steel pole, offering enhanced durability and hygiene.
- › It features height adjustability (105 - 130 cm / 29.5 - 47.2 in), effortless mobility facilitated by low friction castors, antistatic properties, and two lockable castors (75 mm / 3 in), diameter of the mobile base (54 cm/ 21 in)
- › Spacious basket on the reverse side or on mobile stand, for tubes and cuffs
- › Optional basket attached to pole small: L250 x B90 x H200 mm  
large: L230 x B230 x H250 mm

## big ben<sup>®</sup> wall or rail model with **ri-former<sup>®</sup>**



## big ben<sup>®</sup> mobile model with **ri-former<sup>®</sup>**



# PRODUCT SPECIFICATIONS

<b>Dimensions:</b>	Square: 198.7 mm, Dimensioned scale (145.5 mm) Round: 198.7 mm, Dimensioned scale (Ø 147.2 mm)
<b>Options:</b>	wall; desk; rail; mobile
<b>Weight:</b>	1600 g; 1300 g; 1200 g; 4000 g
<b>Accuracy:</b>	±3 mmHg (±2 mmHg Riester inhouse standard)
<b>Calibration:</b>	Lifetime measuring technology; No recalibration needed when used properly
<b>Measurement conditions:</b>	10 °C to 40 °C (at a relative air) humidity of 85 % (non-condensing)
<b>Storage conditions:</b>	-20 °C to 70 °C (at a relative air) humidity of 85 % (non-condensing)
<b>Measurement range:</b>	0 to 300 mmHg

## ORDERING INFORMATION

<b>1463</b>	big ben® square wall, bandage cuff (adult)	<b>1454</b>	big ben® square desk, bandage cuff (adult)
<b>1464</b>	big ben® square wall, hook cuff (adult)	<b>1455</b>	big ben® square desk, hook cuff (adult)
<b>1465</b>	big ben® square wall, velcro cuff (adult)	<b>1456</b>	big ben® square desk, velcro cuff (adult)
<b>1465-123</b>	big ben® square wall, velcro cuff (large adult)	<b>1456-123</b>	big ben® square desk, velcro cuff (large adult)
<b>1465-130</b>	big ben® square wall, velcro cuff (children)	<b>1456-130</b>	big ben® square desk, velcro cuff (children)
<b>1465-100</b>	big ben® square wall manometer, wall support, w/o accessories	<b>1456-100</b>	big ben® square desk manometer, w/o clamp, w/o accessories
<b>1457</b>	big ben® round wall, bandage cuff (adult)	<b>1451</b>	big ben® round desk, bandage cuff (adult)
<b>1458</b>	big ben® round wall, hook cuff (adult)	<b>1452</b>	big ben® round desk, hook cuff (adult)
<b>1459</b>	big ben® round wall, velcro cuff (adult)	<b>1453</b>	big ben® round desk, velcro cuff (adult)
<b>1459-123</b>	big ben® round wall, velcro cuff (large adult)	<b>1453-123</b>	big ben® round desk, velcro cuff (large adult)
<b>1459-130</b>	big ben® round wall, velcro cuff (children)	<b>1453-130</b>	big ben® round desk, velcro cuff (children)
<b>1459-100</b>	big ben® round wall manometer, wall support, w/o accessories	<b>1453-100</b>	big ben® round desk manometer, w/o clamp, w/o accessories
<b>1493</b>	big ben® square rail, bandage cuff (adult)	<b>1476</b>	big ben® square floor, bandage cuff (adult)
<b>1494</b>	big ben® square rail, hook cuff (adult)	<b>1477</b>	big ben® square floor, hook cuff (adult)
<b>1498</b>	big ben® square rail, velcro cuff (adult)	<b>1478</b>	big ben® square floor, velcro cuff (adult)
<b>1498-123</b>	big ben® square rail, velcro cuff (large adult)	<b>1478-123</b>	big ben® square floor, velcro cuff (large adult)
<b>1498-130</b>	big ben® square rail, velcro cuff (children)	<b>1478-130</b>	big ben® square floor, velcro cuff (children)
<b>1498-100</b>	big ben® square rail manometer, w/o clamp, w/o accessories	<b>1478-500</b>	big ben® square floor manometer, velcro cuff (adult), w/o stand
<b>1486</b>	big ben® round rail, bandage cuff (adult)	<b>1466</b>	big ben® round floor, bandage cuff (adult)
<b>1487</b>	big ben® round rail, hook cuff (adult)	<b>1467</b>	big ben® round floor, hook cuff (adult)
<b>1488</b>	big ben® round rail, velcro cuff (adult)	<b>1468</b>	big ben® round floor, velcro cuff (adult)
<b>1488-123</b>	big ben® round rail, velcro cuff (large adult)	<b>1468-123</b>	big ben® round floor, velcro cuff (large adult)
<b>1488-130</b>	big ben® round rail, velcro cuff (children)	<b>1468-130</b>	big ben® round floor, velcro cuff (children)
<b>1488-100</b>	big ben® round rail manometer, w/o clamp, w/o accessories	<b>1468-500</b>	big ben® round floor manometer, velcro cuff (adult), w/o stand
<b>3653-600</b>	ri-former® mobile base with big ben® square floor, 3.5 V / 120 V, velcro cuff (adult) and basket	<b>3652-600</b>	ri-former® mobile base with big ben® square floor, 3.5 V / 230 V, velcro cuff (adult) and basket

### Accessories

<b>54663</b>	Wall support 3 holes with 3 screws (to change to wall unit)	<b>10392</b>	Basket (small) for mobile stand
<b>54665</b>	Wall support 2 holes with 2 screws (to change to rail unit)	<b>10393</b>	Basket (large) for mobile stand
<b>10382</b>	Coiled latex tubing, black	<b>10350*</b>	Inflation bulb with standard air-release valve, latex
<b>10384</b>	Universal clamp for rail fastening	<b>LF10350*</b>	Inflation bulb with standard air-release valve, latex-free
<b>10385</b>	Mobile stand (base and pipe)		*Inflation bulbe must be purchased with each spare cuff

Please visit [riester.de](http://riester.de) for more information