

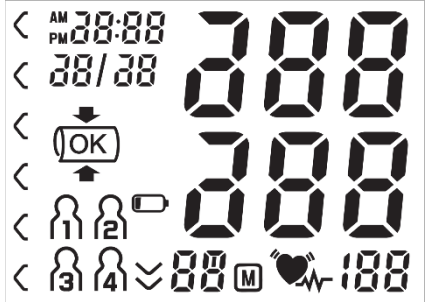
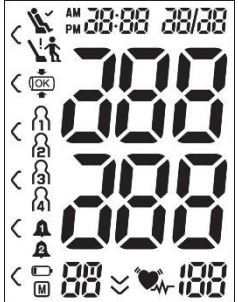




















Comparison of the BEURER BM27 with the BEURER BM28

Devices – Item 9	BEURER BM27	BEURER BM28
Pictures		
Display Image		
Validation		ESH 2010 ESH 2002 BHS AAMI
Category	Blood Pressure Monitor Device	Blood Pressure Monitor Device
Casing – Item 10	<p><i>Dimensions</i> L 112mm x W 110mm x H 53mm</p> <p><i>Ports</i> Cuff Port (left side)</p> <p><i>Features</i> Systolic and diastolic blood pressure measurement 4x30 memory, cuff tightness indicator, IHB (irregular heartbeat) detection, Pulse rate measurement, risk indicator according WHO guidelines</p>	<p><i>Dimensions</i> L 134mm x W 103mm x H 60mm</p> <p><i>Ports</i> Cuff Port (left side)</p> <p><i>Features</i> Systolic and diastolic blood pressure measurement 4x30 memory, cuff tightness indicator, IHB (irregular heartbeat) detection, Pulse rate measurement, risk indicator according WHO guidelines</p>
Display – Item 11	<p><i>Type</i> LCD</p>	<p><i>Type</i> LCD</p>

	Segment LCD	Segment LCD
Carrying/Mounting Facilities – Item 12	N/A	N/A
Software other than Algorithm – Item 13	4 User, date and time, 2 Alarm Average Memory zone 7- day morning average memory-zone 7- day evening average memory-zone Risk indicator WHO Guidelines 1999	4 User, date and time, 2 Alarm Average Memory zone 7- day morning average memory-zone 7- day evening average memory-zone Risk indicator WHO Guidelines 1999
Memory Capacity Item 14	<i>Number of stored measurements</i> 30 memories x 4 users	<i>Number of stored measurements</i> 30 memories x 4 users
Printing Facilities Item 15	N/A	N/A
Communication Facilities – Item 16	N/A	N/A
Power Supply Item 17	Alkaline Battery (DC 6V 600mA, LR6 (AA) 1.5V x 4 pcs) Battery Life ~ 300 measurements	Alkaline Battery (DC 6V 600mA, LR6 (AA) 1.5V x 4 pcs) Battery Life ~ 300 measurements Optional: Power Adapter Connection 6V-600mA
Other differences	<i>Other Details on Equivalent device that are different to Validated device</i>	<i>Other Details on Validated device that are different to Equivalent device</i> HSD (Hämodynamic stability) Indikator
Same Criteria	<p>Measurement</p> <p><i>Accuracy</i> BP accuracy \pm 3mmHg Pulse accuracy \pm 5%</p> <p><i>Method</i> Oscillometric method made during cuff deflation</p> <p><i>Ranges</i> Cuff pressure 0-300mmHg Systolic pressure: 50 – 280 mmHg Diastolic pressure: 30 – 200 mmHg Pulse rate: 40 – 199 pulse/minute</p> <p><i>Inflation</i> Inflation 0mmHg – 300mmHg</p>	<p>Measurement</p> <p><i>Accuracy</i> BP accuracy \pm 3mmHg Pulse accuracy \pm 5%</p> <p><i>Method</i> Oscillometric method made during cuff deflation</p> <p><i>Ranges</i> Cuff pressure 0-300mmHg Systolic pressure: 50 – 280 mmHg Diastolic pressure: 30 – 200 mmHg Pulse rate: 40 – 199 pulse/minute</p> <p><i>Inflation</i> Inflation 0mmHg – 300mmHg</p>

	<p>Automatic Inflation by internal Pump Zero pressure check before inflation</p> <p><i>Deflation</i> Automatic Deflation System</p> <p><i>Cuffs (Please state sizes and materials used)</i> Polyester Material Standard Type: 22 – 42 cm (Original) Bladder dimension: 140 x 250mm</p> <p><i>Sensors</i> MSP40-GSF</p> <p><i>Measurement Records</i> Memory Capacity: 30 memories x 4 users</p> <p><i>Measurements other than Blood Pressure</i> Pulse rate</p> <p>Buttons/Switches <i>Power</i> Start/Stop ( Symbol)</p> <p><i>Measurement Records</i> Memory ( Symbol)</p> <p>Forward ( Symbol)</p> <p>Backward ( Symbol)</p> <p><i>Function</i> Start/Stop ( Symbol) Start/Stop Measurement</p> <p>Memory ( Symbol) Enter Memory Mode</p> <p>Forward ( Symbol) Increase value or go forward</p> <p>Backward ( Symbol) decrease value or go backward</p>	<p>Automatic Inflation by internal Pump Zero pressure check before inflation</p> <p><i>Deflation</i> Automatic Deflation System</p> <p><i>Cuffs(Please state sizes and materials used)</i> Polyester Material Standard Type: 22 – 42 cm (Original) Bladder dimension: 140 x 250mm</p> <p><i>Sensors</i> MSP40-GSF</p> <p><i>Measurement Records</i> Memory Capacity: 30 memories x 4 users</p> <p><i>Measurements other than Blood Pressure</i> Pulse rate</p> <p>Buttons/Switches <i>Power</i> Start/Stop ( Symbol)</p> <p><i>Measurement Records</i> Memory ( Symbol)</p> <p>Forward ( Symbol)</p> <p>Backward ( Symbol)</p> <p><i>Function</i> Start/Stop ( Symbol) Start/Stop Measurement</p> <p>Memory ( Symbol) Enter Memory Mode</p> <p>Forward ( Symbol) Increase value or go forward</p> <p>Backward ( Symbol) decrease value or go backward</p>
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	<p>Setting (SET Symbol) Enter Setting mode (Date, Time)</p> <p><i>Analysis</i> N/A</p> <p><i>Event Marking</i> N/A</p> <p><i>Communication</i> N/A</p> <p>Display/Symbols/Indicators <i>Preparation</i></p> <p> Zero pressure check used</p> <p><i>Measurement Procedure</i> Inflation symbol Deflation symbol Heartbeat symbol during deflation Irregular Heartbeat symbol</p> <p><i>Post Measurement</i> SBP, DBP and Pulse Measurement Error's: E1, E2, E3, E4, E5, E6, Battery Low Memory-Zone mean (A symbol) 7- day morning memory-zone mean (AM symbol) 7- day evening memory-zone mean (PM symbol) WHO blood pressure classification scale (WHO Guidelines 1999) Irregular heartbeat (IHB) detection and indication</p> <p><i>Measurement Records</i> Memory Capacity: 30 memories x 4 users</p> <p><i>Date and Time</i> Date and Time Date and Time (During memory recall and measuring)</p>	<p>Setting (SET Symbol) Enter Setting mode (Date, Time)</p> <p><i>Analysis</i> N/A</p> <p><i>Event Marking</i> N/A</p> <p><i>Communication</i> N/A</p> <p>Display/Symbols/Indicators <i>Preparation</i></p> <p> Zero pressure check used</p> <p><i>Measurement Procedure</i> Inflation symbol Deflation symbol Heartbeat symbol during deflation Irregular Heartbeat symbol</p> <p><i>Post Measurement</i> SBP, DBP and Pulse Measurement Error's: E1, E2, E3, E4, E5, E6, Battery Low Memory-Zone mean (A symbol) 7- day morning memory-zone mean (AM symbol) 7- day evening memory-zone mean (PM symbol) WHO blood pressure classification scale (WHO Guidelines 1999) Irregular heartbeat (IHB) detection and indication HSD Indicator</p> <p><i>Measurement Records</i> Memory Capacity: 30 memories x 4 users</p> <p><i>Date and Time</i> Date and Time Date and Time (During memory recall and measuring)</p>
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	<p><i>Power</i> Alkaline Battery (DC 6V 600mA, LR6 (AA) 1.5V x 4 pcs) Battery Life ~ 300 measurements</p> <p><i>Function</i> Measurement during deflation</p> <p><i>Communication</i> N/A</p> <p><i>Features</i></p> <p><i>Not described</i></p> <p>Algorithms <i>Averages and Differences</i> A (Average of all measurements); AM (Average morning 5:00AM-9:00AM), PM (Average Evening 6:00PM- 8:00PM)</p> <p><i>Diagnostic</i> WHO blood pressure classification scale (WHO Guidelines 1999) Irregular heartbeat (IHB) detection</p> <p><i>Functions</i></p> <p><i>Communication</i> N/A</p>	<p><i>Power</i> Alkaline Battery (DC 6V 600mA, LR6 (AA) 1.5V x 4 pcs) Battery Life ~ 300 measurements Optional: Power Adapter Connection 6V-600mA</p> <p><i>Function</i> Measurement during deflation</p> <p><i>Communication</i> N/A</p> <p><i>Features</i></p> <p><i>Not described</i></p> <p>Algorithms <i>Averages and Differences</i> A (Average of all measurements); AM (Average morning 5:00AM-9:00AM), PM (Average Evening 6:00PM- 8:00PM)</p> <p><i>Diagnostic</i> WHO blood pressure classification scale (WHO Guidelines 1999) Irregular heartbeat (IHB) detection</p> <p><i>Functions</i></p> <p><i>Communication</i> N/A</p>
Comparable Criteria		

Comments	
Recommendation	RECOMMENDED
Date	April 2022