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Declaration of Equivalence Form

DECLARATION OF BLOOD PRESSURE MEASURING DEVICE EQUIVALENCE 2013

A SIGNED COPY WILL BE POSTED ON THE www.dableducational.org WEBSITE

SECTION A - Please complete all items.

I Patrick Ch Name of a Co	IOW, mpany Director		a Director of Grandway Technology (Shenzhen) Limited, Company name
hereby state	that there are no differences tha	t will aff	ect blood pressure measuring accuracy between the
Makerª	Beurer GmbH	Address	Beurer GmbH, Söflinger Strasse 218, 89077 Ulm/ Germany
Manufacturer ^b	Grandway	Address	No.5, the Second Industrial Zone, Zhukeng Community, Longtian Street, Pingshan District, Shenzhen
Brand ^c Blood pressure me	Beurer asuring device for which validation is claimed.	Model^d If alternative	BM67 e model names are used, include all.
blood pressu	re measuring device and the valio	dated blo	pod pressure measuring device
Maker ^a	Grandway	Address	No.5, the Second Industrial Zone, Zhukeng Community, Longtian Street, Pingshan District, Shenzhen
Manufacturer ^ь	Grandway	Address	No.5, the Second Industrial Zone, Zhukeng Community, Longtian Street, Pingshan District, Shenzhen
Brand ^c	G.LAB	Model ^d	MD2680

Existing validated blood pressure measuring device.

which has previously passed the ESH 2010 protocol, the results of which were published as follows:

Validation of the G.LAB MD2680(Grandway Technology Limited, Shenzhen, China) digital automatic blood pressure monitor according to the European Society of Hypertension International Protocol.

The only differences between the devices involve the following components:

Tick one box for each item 1–18.

Part I	1	Algorithm for Oscillometric Measurements	Yes 🗌	No 🖂	N/A ^e
	2	Algorithm for Auscultatory Measurements	Yes 🗖	No 🗖	N/A ^f 🖂
	3	Artefact/Error Detection	Yes 🗌	No 🖂	
	4	Microphone(s)	Yes 🗌	No 🗌	N/A ^f 🖂
	5	Pressure Transducer	Yes 🗖	No 🖂	
	6	Cuffs or Bladders	Yes 🗖	No 🖂	
	7	Inflation Mechanism	Yes 🗖	No 🖂	
	8	Deflation Mechanism	Yes 🔲	No 🖂	
Part II	9	Model Name or Number	Yes 🖂	No 🗖	
	10	Casing	Yes 🖂	No 🗖	
	11	Display	Yes 🖂	No 🗖	
	12	Carrying/Mounting Facilities	Yes 🗖	No 🖂	
	13	Software other than Algorithm	Yes 🖂	No 🗌	
	14	Memory Capacity/Number of stored measurements	Yes 🖂	No 🗖	
	15	Printing Facilities	Yes 🗌	No 🔲	N/A ^g 🔀
	16	Communication Facilities	Yes 🗖	No 🗖	N/A ^g 🛛
	17	Power Supply	Yes 🗖	No 🖂	
11	18	Other Facilities	Yes 🗌	No 🖂	N/A ^g

An explanation of each item ticked "Yes" must be included in Section B or on a separate sheet.

Notes: a Provide the name and address of the actual maker of the device.

b Provide the name and address of the legal manufacturer of the device, even if it is the same as that of the maker.

c Provide the name of the brand under which it is sold, even if it is the same as that of the manufacturer or maker.

d Provide the model name. If alternative or internal model names are used, include all. Each device must be uniquely identifiable.

e Only tick N/A (Not Applicable) if neither device measures blood pressure using the oscillometric method.

f Only tick N/A (Not Applicable) if neither device measures blood pressure using the auscultatory method.

g Only tick N/A (Not Applicable) if neither device provides printing, communication or other facilities, as appropriate.

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Form DET7 130102

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SECTION B An explanation for each item, 1 to 18, ticked "Yes" in Section A must be provided here or in an attached document. All differences between the devices must be described.

(10) Button arrangement: Start/Stop button, M button, SET button, + button and - button

(11) LCD can display User 3 and User 4, BLE icon built-in

Shenzhen

(13) BLE transmission, All measuring record will transmit to mobile phone

(14) Stores 30*4 readings

SECTION C	Please check that the following are included with the application	
	A manual for the validated device	\boxtimes
	A manual for the device for which equivalence is being sought	\boxtimes
	An image of the validated device	
	An image of the device for which equivalence is being sought	\boxtimes
	An image of the screen layout of validated device*	
	An image of the screen layout of the device for which equivalence is being sought*	\boxtimes
	* Screen layouts shown complete, and without obscuring labels or lines, in manuals need not be included s	eparately.

SECTION D	Complete all items, bar signatures and seal, online and print. Sign and seal it then send the original to our address below. Please
	email a signed copy of this form, together with the manuals and images for both devices, to info@dableducational.org.
	CHNOL

	TECHNOLOGY
Signature of Director	() () 均成科技 (Eompany Stamp/Seal
Name	Patrick Chow 5 年限公司 反
Date	7-Apr, 2020
	TAN -
Signature of Witness	<u>Kho</u>
Name	Eric Wong
Address	No.5, the Second Industrial Zone, Zhukeng Community, Longtian Street, Pingshan District,

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Device Equivalence Evaluation Form

Comparison of the Beurer BM67 with the G.LAB MD2680

Devices – Item 9	Beurer BM67	G.LAB MD2680
Pictures		
Display Image		
Validation		ESH-IP 2010, BHS and AAMI
Category	Blood Pressure Monitor Device	Blood Pressure Monitor Device
Casing – Item 10	Dimensions 139 (L) x 103(W) x 54(H) cm Ports N/A Features Systolic and diastolic blood pressure measurement Pulse rate measurement Irregular heartbeat (IHB) detection and indication	Dimensions 160 (L) x 99(W) x 56(H) cm Ports N/A Features Systolic and diastolic blood pressure measurement Pulse rate measurement Irregular heartbeat (IHB) detection and indication
	WHO blood pressure classification scale (WHO Guidelines 1999) Cuff tightness indicator Bluetooth LE	WHO blood pressure classification scale (WHO Guidelines 1999)

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Display – Item 11	Туре	Туре
	Single Screen Display	Single Screen Display
	Segment LCD	Segment LCD
	Measurement Procedure	Measurement Procedure
	During Measurement: BP level & Heartbeat	During Measurement: BP level & Heartbeat
	Post Measurement	Post Measurement
	SBP, DBP and Pulse	SBP, DBP and Pulse
	Measurement error: E1, E2, E3, E4, E5, E6 and Er7	Measurement error: E1, E2, E3, E4, E5 and E6
	Memory-Zone mean (A symbol)	Memory-Zone mean (A symbol)
	7- day morning memory-zone mean (AM symbol)	7- day morning memory-zone mean (AM symbol)
	7- day evening memory-zone mean (PM symbol)	7- day evening memory-zone mean (PM symbol)
Carrying/Mounting Facilities – Item 12	N/A	N/A
Software other than	Memory zone means	Memory zone means
Algorithm – Item 13	7- day morning memory-zone mean	7- day morning memory-zone mean
	7- day evening memory-zone mean	7- day evening memory-zone mean
	WHO Guidelines 1999	WHO Guidelines 1999
Memory Capacity Item 14	60 memories x 4 users	120 memories x 2 users
Printing Facilities Item 15	N/A	N/A
Communication Facilities – Item 16	N/A	N/A
Power Supply Item 17	6.0Vdc, 600mA (supplied by a separate approved AC/DC adaptor) Alkaline Battery (DC 6V 600mA, LR06 (AA) 1.5V x 4 pcs) Battery Life ~ 200 measurements	Alkaline Battery (DC 6V 600mA, LR06 (AA) 1.5V x 4 pcs) Battery Life ~ 500 measurements
Other differences	Nil	Nil
Same Criteria	Measurement	Measurement
	Accuracy	Accuracy
	BP accuracy ± 3mmHg	BP accuracy ± 3mmHg
	Pulse accuracy ± 5%	Pulse accuracy ± 5%
	Method	Method
	Oscillometric method made during cuff deflation	Oscillometric method made during cuff deflation

Ranges

Systolic pressure: 50 – 250mmHg Diastolic pressure: 30 – 200 mmHg Pulse rate: 40 – 180 pulse/minute Manually initiated measurements Measurements are from single inflations

Inflation Inflation 0 mmHg – 300 mmHg Automatic Inflation Zero pressure check before inflation

Deflation
Automatic Deflation

Cuffs(Please state sizes and materials used) Nylon Material Standards Type: 22 – 36 cm (Original), Nylon Material Large: 35 – 44 cm (Optional), Nylon Material Universal: 22 – 44 cm (Optional)

Sensors
US9111 Resistance Type Pressure Sensors

Measurement Records Memory Capacity: 30 memories x 4 users

Measurements other than Blood Pressure $\mathbf{N/A}$

Buttons/Switches
Power

Power

Measurement records

Ranges

Systolic pressure: 50 – 250mmHg Diastolic pressure: 30 – 200 mmHg Pulse rate: 40 – 180 pulse/minute Manually initiated measurements Measurements are from single inflations

Inflation

Inflation 0 mmHg – 300 mmHg Automatic Inflation Zero pressure check before inflation

Deflation Automatic Deflation

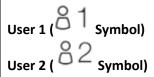
Cuffs(Please state sizes and materials used) Nylon Material Standards Type: 22 – 36 cm (Original), Nylon Material Large: 35 – 44 cm (Optional), Nylon Material Universal: 22 – 44 cm (Optional)

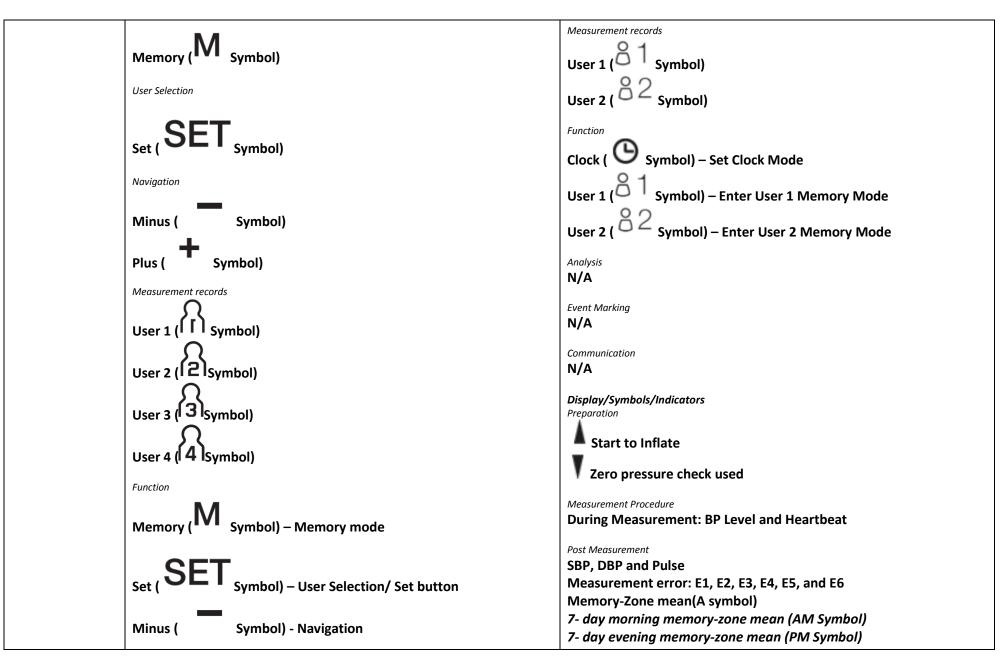
Sensors US9111 Resistance Type Pressure Sensors

Measurement Records Memory Capacity: 120 memories x 2 users

Measurements other than Blood Pressure $\mathbf{N/A}$

Buttons/Switches





Plus (Symbol) - Navigation	WHO blood pressure classification scale (WHO Guidelines 1999) Irregular heartbeat (IHB) detection and indication
Analysis N/A	Measurement Records Memory Capacity: 120 memories x 2 users
	Memory Capacity: 120 memories x 2 users Date and Time Date and Time (During memory recall) Algorithms Averages and Differences Memory Zone Means Diagnostic WHO blood pressure classification scale (WHO Guidelines 1999) Irregular heartbeat (IHB) detection
Date and Time Date and Time (During memory recall)	

	Algorithms Averages and Differences Memory Zone Means Diagnostic WHO blood pressure classification scale (WHO Guidelines 1999) Irregular heartbeat (IHB) detection	
Comparable Criteria	Casing Power Alkaline Battery (DC 6V 600mA, LR06 (AA) 1.5V x 4 pcs) Battery Life ~ 200 measurements Display/Symbols/Indicators Preperation Cuff tightness indicator Zero pressure check used	Casing Power Alkaline Battery (DC 6V 600mA, LR06 (AA) 1.5V x 4 pcs) Battery Life ~ 500 measurements Display/Symbols/Indicators Preperation Start to Inflate Zero pressure check used

Comments		
Recommendation	ecommended	
Date	7 September 2020	