DECLARATION OF BLOOD PRESSURE MEASURING DEVICE EQUIVALENCE 2013

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SECTION A - Please complete all items.

I Kevin Ta Co.,Ltd Name of a C	n, Company Director		a Director of Guangdong Transtek Medical Electronics
hereby state	e that there are no differences tha	nt will aff	ect blood pressure measuring accuracy between the
Maker ^a	Guangdong Transtek Medical	Address	Zone A, No.105 ,Dongli Road, Torch Development District,
	Electronics Co.,Ltd		Zhongshan, 528437, Guangdong, China
Manufacturer ^b	PIKDARE S.r.I	Address	Via Saldarini Catelli 10,22070 - Casnate con Bernate (CO)- Italy
Brand ^c Blood pressure n	Pic neasuring device for which validation is claimed.	Model ^d If alternativ	e model names are used, include all.
blood press	ure measuring device and the vali	dated bl	ood pressure measuring device
Maker ^a	Guangdong Transtek Medical	Address	Zone A, No.105 ,Dongli Road, Torch Development District,
	Electronics Co.,Ltd		Zhongshan, 528437, Guangdong, China
Manufacturer ^b	Guangdong Transtek Medical	Address	Zone A, No.105 ,Dongli Road, Torch Development District,
	Electronics Co.,Ltd		Zhongshan, 528437, Guangdong, China
Brand ^c	TRANSTEK	Model ^d	TMB-1491
Existing validated	d blood pressure measuring device.		

which has previously passed the ESH2010 protocol, the results of which were published as follows:

Tian H., Zeng S., Zhong X., Gong W. and Liu W. Validation of Transtek blood pressure monitor TMB-1491 for selfmeasurement according to the European Society of Hypertension International Protocol reversion 2010. Blood Press Monit. 2015 May

Full reference

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 🗖	
	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.

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Declaration of Equivalence Form

- Only tick N/A (Not Applicable) if neither device measures blood pressure using the oscillometric method. e f
- Only tick N/A (Not Applicable) if neither device measures blood pressure using the auscultatory method. Only tick N/A (Not Applicable) if neither device provides printing, communication or other facilities, as appropriate. g

	2 A 2 A 2 A 2 A 2 A 2 A 2 A 2 A 2 A 2 A	lanation for each item, 1 to 1 nees between the devices must b	 ticked "Yes" in Section A must be provided here or in a be described. 	n attached document. All
See attached do	ocume	nt		
SECTION C	Please o	check that the following are incl	uded with the application	
	A man	ual for the validated devi	ce	
	A man	ual for the device for whi	ch equivalence is being sought	\boxtimes
	An ima	age of the validated devic	e	\bowtie
	An ima	age of the device for whic	h equivalence is being sought	
	An ima	age of the screen layout o	f validated device*	
	An ima	age of the screen layout o	f the device for which equivalence is being sought*	*
	* Screer	n layouts shown complete, and v	without obscuring labels or lines, in manuals need not be includ	ed separately.
	email a	signed copy of this form, togeth	seal, online and print. Sign and seal it then send the original to er with the manuals and images for both devices, to info@dabl	
Signature of Dire	ector	Kevin Tan	Company Stamp/Seal	SEDICAL ELECTION
Name		Kevin Tan	AST OF	小医疗电子检查学
Date		October 11th, 2018		出明公司 8
Signature of Wit	tness	EllyHe		H MA OIL
Name		Elly He		Contract of the second s
Address		Zone A, No.105, Dongli China	Road, Torch Development District, Zhongshan,	528437, Guangdong,

Transtek Blood Pressure Monitor TMB-1491 Devices – Item 9 Pic Solutions easyRAPID Automatic Blood Pressure Monitor Pictures **Display Image** sys SYS ∎ kPa ∎ mmHg mmHg DIA kPa DIA mmHq mmHg Pulmin Pul/min 88 9 88:88 88 MEMORY TIME/DATE

Comparison of Pic Solutions easyRAPID Automatic Blood Pressure Monitor with Transtek Blood Pressure Monitor TMB-1491

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Validation		ESH 2010
Category	Upper arm device for self measurement of blood pressure	Upper arm device for self measurement of blood pressure
Casing – Item 10	Dimensions	Dimensions
	110mm×110mm×41.5mm	110mm×110mm×41mm
	Ports	Ports
	Cuff port and DC power port	Cuff port
		(just supplied with 4*AAA battery)
	Features	
		Features
	Blood pressure measurement	Blood pressure measurement
	Heart rate	Heart rate
	ESH classification	WHO classification
Display – Item 11	LCD	LCD
Carrying/Mounting	With a storage bag	None
Facilities – Item 12		
Software other than	One user	One user
Algorithm – Item 13	60 recorded measurements	60 recorded measurements

	ESH indicator	WHO indicator
	Unit: mmHg	Unit: mmHg or kPa
Memory Capacity	60 recorded measurements	60 recorded measurements
Item 14		
Printing Facilities Item 15	N/A	N/A
Communication Facilities – Item 16	N/A	N/A
Power Supply	4xAAA batteries, 6V DC or adapter 6V/ 1000mA.	4×AAA batteries, 6V DC
Item 17		
Other differences	Other Details on Equivalent device that are different to Validated device	Other Details on Validated device that are different to Equivalent device
	New MCU in order to fulfill the new ESD requirements (last production with old MCU in Oct 2018)	-
Same Criteria	Measurement	Measurement
	Accuracy	Accuracy
	Pressure:	Pressure:
	5°C-40°C within±3mmHg(0.4kPa)	5°C-40°C within±3mmHg(0.4kPa)
	Pulse value:±5%	Pulse value:±5%

Method	Method
Oscillographic method	Oscillographic method
Ranges	Ranges
Rated cuff pressure:	Rated cuff pressure:
0mmHg~299mmHg(0kPa ~ 39.9kPa)	0mmHg~299mmHg(0kPa ~ 39.9kPa)
Measurement pressure:	Measurement pressure:
SYS: 60mmHg~230mmHg (8.0kPa~30.7kPa)	SYS: 60mmHg~230mmHg (8.0kPa~30.7kPa)
DIA: 40mmHg~130mmHg (5.3kPa~17.3kPa)	DIA: 40mmHg~130mmHg (5.3kPa~17.3kPa)
Pulse value: (40-199)beat/minute	Pulse value: (40-199)beat/minute
Inflation	Inflation
Automatic inflation	Automatic inflation
Deflation	Deflation
Automatic deflation	Automatic deflation
Cuffs (Please state sizes and materials used)	Cuffs(Please state sizes and materials used)
22-42cm, nylon	22-32cm and 22-42cm, nylon

Sensors	Sensors
Piezo-resistive	Piezo-resistive
Measurement Records	Measurement Records
60 measurement records	60 measurement records
ou measurement records	oo measurement records
Measurements other than Blood Pressure	Measurements other than Blood Pressure
Pulse rate	Pulse rate
Puttone (Switches	Buttons/Switches
Buttons/Switches	Buttons/Switches
Buttons/Switches Power	Buttons/Switches Power
Power	Power
Power START/STOP key	Power
Power START/STOP key Measurement Records	Power START/STOP button Measurement Records
Power START/STOP key	Power START/STOP button
Power START/STOP key Measurement Records	Power START/STOP button Measurement Records MEM button
Power START/STOP key Measurement Records	Power START/STOP button Measurement Records MEM button Function
Power START/STOP key Measurement Records Memory key	Power START/STOP button Measurement Records MEM button
Power START/STOP key Measurement Records Memory key Function	Power START/STOP button Measurement Records MEM button Function

Analysis	Analysis
N/A	N/A
Event Marking	Event Marking
N/A	N/A
Communication	Communication
N/A	N/A
	Disalar (Cumb als (Indiantana
Display/Symbols/Indicators	Display/Symbols/Indicators
Preparation	Preparation
Preparation	Preparation
Preparation	Preparation
Preparation Automatic Zero setting	Preparation Automatic Zero setting
Preparation Automatic Zero setting	Preparation Automatic Zero setting
Preparation Automatic Zero setting Measurement Procedure	Preparation Automatic Zero setting Measurement Procedure
Preparation Automatic Zero setting Measurement Procedure Pressure value indication	Preparation Automatic Zero setting Measurement Procedure Pressure value indication
Preparation Automatic Zero setting Measurement Procedure Pressure value indication	Preparation Automatic Zero setting Measurement Procedure Pressure value indication
Preparation Automatic Zero setting Measurement Procedure Pressure value indication Current time	Preparation Automatic Zero setting Measurement Procedure Pressure value indication Current time

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Measurement Records	Measurement Records
Systolic pressure (SYS)	Systolic pressure (SYS)
Diastolic pressure (DIA)	Diastolic pressure (DIA)
Pulse rate	Pulse rate
Date and Time	Date and Time
Display measurement time in the lower right corner of LCD	Display measurement time in the lower right corner of LCD
Power	Power
Low battery	Low battery
Function	Function
Measure blood pressure and heart rate	Measure blood pressure and heart rate
Recall measurement records	Recall measurement records
Delete measurement records	Delete measurement records
Communication	Communication
N/A	N/A

Features	Features
Measuring during inflation	Measuring during inflation
Not described	Not described
Algorithms	Algorithms
Averages and Differences	Averages and Differences
Recall the average value of the last three measurements	Recall the average value of the last three measurements
Diagnostic	Diagnostic
N/A, indicate ESH blood pressure classification	N/A, indicate WHO blood pressure classification
Functions	Functions
Measure blood pressure and heart rate	Measure blood pressure and heart rate
Communication	Communication
N/A	N/A

Comparable Criteria	Appearance	Appearance
	110mm*110mm*41.5mm, color different	110mm*110mm*41mm, color different
	Power	Power
	Except 4*AAA battery, also can be supplied by authorized AC adapter	Only supplied by 4*AAA battery
	Cuff size	Cuff size
	22-42cm	22-32cm and 22-42cm

Comments		This equivalence relates to the blood pressure measurement characteristics of both devices. It is for home use only. Self-measurement.
Recommendation	Recommended	
Date	12 th February 2019	