ABPM

Smart precision, test at anytime and anywhere

Scientific and accurate calculation program
Collected 2.5 million cases of medical clinical data
Through the national record inspection and accuracy certification

Comfortable and quiet pressure measurement environment

Borsam ABPMs are through the noise test
For the user to create a quiet and stable measurement environment
Quiet use experience, low noise, low power consumption, long life

Built-in 3G gravity sensor

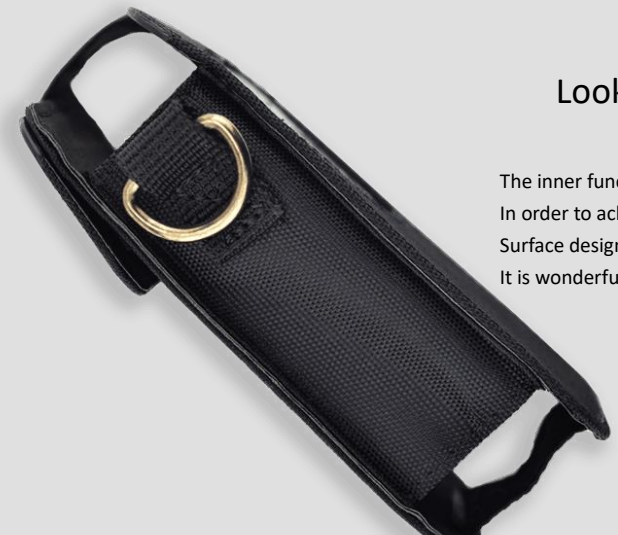
Can automatically detect movement, lying, sitting and other posture For the clinical diagnosis of reference

Overall accessories

Cuffs cotton material, you can clean, wear comfortable, there are large and medium size Neck liner Nylon canvas material,

The only model to record the whole process of the dynamic blood pressure
For clinical study of vascular sclerosis

Can be set according to the patient's situation, automatic inflatable measurement is convenient, the patient's daily activities are not limited, can accurately reflect patients' blood pressure variation and blood pressure day and night change rules, and blood pressure and heart rate changes. It provides important evidence for the diagnosis of early hypertension, critical hypertension, hypotension, differential diagnosis of primary hypertension and secondary hypertension, and the efficacy of antihypertensive therapy and the evaluation of antihypertensive drugs



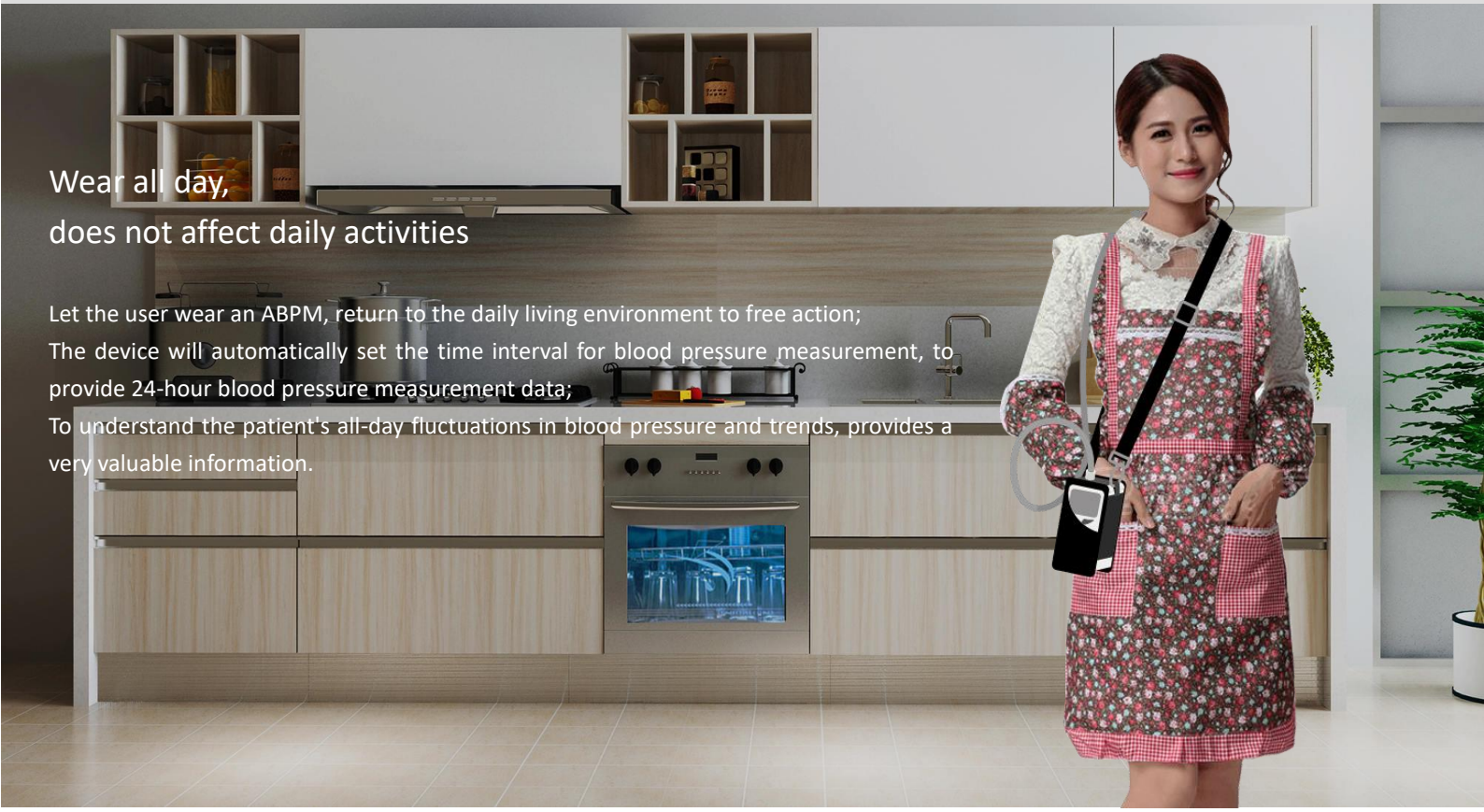
Process upgrade

Look good, comfortable in your hands

The inner function, perhaps let you fall in love with it.
In order to achieve a better appearance quality, we use PC + ABS plastic environmental protection material
Surface design gradient lattice effect, feel comfortable, non-slip and scratch resistant.
It is wonderful fit your unique temperament and taste. All for more than one reason, let you love it.

Small size, Strong function

Ingenuity is often reflected in the details of the device, sandblasting, laser carving, secondary anodizing coloring.
Each process of fine grinding, give the Borsam ABPM beautiful appearance, comfortable touch.
Wear-resistant, dirty-resistant PVC material, also extended its life. It can always accompany you, give you a more healthy body care.



Wear all day, does not affect daily activities

Let the user wear an ABPM, return to the daily living environment to free action;
The device will automatically set the time interval for blood pressure measurement, to provide 24-hour blood pressure measurement data;
To understand the patient's all-day fluctuations in blood pressure and trends, provides a very valuable information.

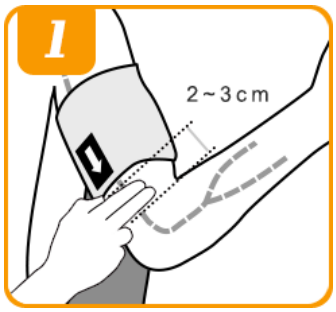
Preparation Before Use

1.The doctor told the patient to use blood pressure monitor precautions;

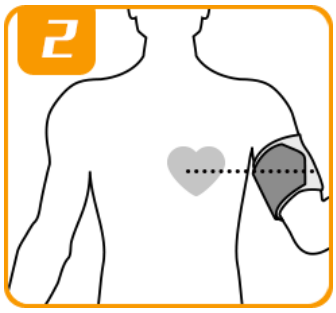
2.The doctor programmed the ABPM, filled in the patient information and set the measurement parameters

Wear

1.Correctly wearing cuffs, cuffs should be located above the elbow 2-3 cm, about two fingers spacing; Make sure that the "arterial" indicator is located above the patient's arm artery, pointing down at the elbow fossa, wearing a trachea facing up, and putting the cuff around the patient's upper arm;

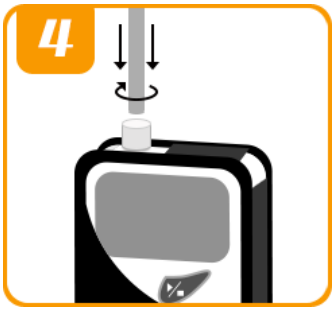


2.Cuff with heart to maintain level;



3.After wearing the trachea up, the cuff will be wrapped around the patient's upper arm;

4.The ABPM into the backpack, cover the back cover, from the back cover at the top of the hole to reveal the monitor ventilation joints;
The end of the cuff of the trachea connector and the top of the interface connected to the ABPM, clockwise a little hard to tighten;



5.Wrap the backpack back on the shoulder

6.Press the "Start / Stop" button to start monitoring. If you select "5 min after the start measurement", then do not press the button, 5 minutes after the ABPM automatically began to measure.

Wear process precautions

1.ABPM error code, please refer to the operating instructions "common fault" prompt;

2.Blood pressure meter programming measurement period, press the button, the ABPM start a measurement; ABPM inflated or deflated process, press the button, blood pressure meter measurement end;

3.Blood pressure measurement failure, blood pressure gauge automatic correction 1 time after 3 minutes;

4.Feel the beginning of inflation, the patient should relax the measurement arm, to avoid muscle tension;

5.Feel the beginning of the inflatable, the patient should leave the body slightly left arm, and then do not move, do not speak, do not fist fist and active fingers;

6.Feel the beginning of the inflatable, the patient should stop the labor, exercise, walking, suddenly standing or sitting down, should naturally straighten the measurement arm or measure the arm against the fixed table.

7.During the measurement period, if the ABPM failure can not deflate or the patient feels the arm discomfort, should as soon as possible to unlock the cuff;

8.It is forbidden to bind the ABPM cuff to an arm that is receiving an injection or an unresolved arm after surgery;

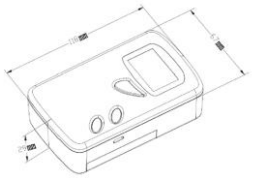
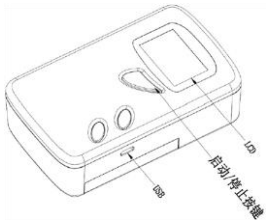
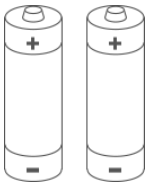
9.Do not wash or rain the ABPM.

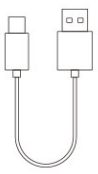
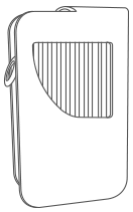
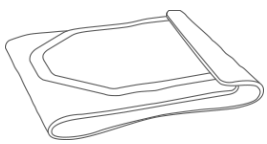
10.Do not remove the cuff during the measurement process, if the cuff falls more than the elbow, or the cuffs fall off, you can unlock yourself and re-bundle;

11.Do not remove the cuff during the measurement process, if the cuff falls more than the elbow, or the cuffs fall off, you can unlock yourself and re-bundle;

12.During the monitoring period, you can replace the battery. Replacing the battery will not lose data or interrupt the monitor program;

Specification

Photo	 Front view  Side view	
Size and Weight	 Size: 118×67×29 mm weight: about 210g, (battery included)	
Availability		
Battery and endurance	 2AA alkaline batteries, can be measured on the160group of blood pressure data per month.	
Specification	Model	ECHO
	Data Connections	USB cable
	Measurement method	oscillometry
	Pressure measurement range	0~37.3kPa(0mmHg~280mmHg)
	Pulse rate measurement range	0bpm~200bpm
	Resolution	blood pressure reading resolution of 1mmHg, pulse readings resolution of 1BPM
	Repeatability	should meet the requirements of 4.5.3 in YY0670-2008, measured in the static

		connection under low pressure, repeat the measurement at each point within the scale range, the difference is not more than 4mmHg
	Accuracy	Should meet the requirements of 4.5.4 in YY0670-2008, the maximum error in the measurement of the pressure in the cuff should be ± 3mmHg at any point in the range, whether boosted or depressurized.
	Pulse rate accuracy	should be ± 3BPM
	System overall effectiveness	in line with YY0370-2008 4.5.5 requirements.
	Maximum cuff pressure	blood pressure monitor cuff pressure more than 40.0kPa (300mmHg) should automatically open the solenoid valve bleed.
	Deflation	Cuff pressure at 2kPa (15mmHg) above time less than 3min In the case where the inflatable system valve is fully vented and rapidly deflated, the pressure is reduced from 34.67kPa (260mmHg) to 2kPa (15mmHg) for no more than 10s.
	Data storage	Flash memory up to 300 readings
	Calibration	minimum two years
	Measurement interval	the interval between the blood pressure monitor and the blood pressure measurement can be selected as any of (5,10,15,20,30,45,60,90,120) minutes, the time error does not exceed 5% of the selected value.
Accessories	 USB cable	 Backpack (Shoulder strap, belt)	 Adult cuff

Sample report

ABPM Report

Patient ID：	11	Patient Name：	test patient
Age：	40	Gender：	Male
Check Date：	2017-09-02 22:51:43	Tel：	
Patient Room No：		Patient Bed No：	

Time	Time	ampl	Average SYS mmHg (+/- Standard)	Average DIA mmHg (+/- Standard)	Average HR Times/Min (+/- Standard)	BP Load (SYS/DIA) %
All	09:03-22:40 (13:36)	38	148 (28.8)	93 (18.7)	81 (8.8)	45 / 34
Day	10:31-18:31	23	151 (35.3)	94 (22.5)	80 (9.8)	61 / 48
Night	18:31-10:31	15	143 (12.2)	92 (10.6)	83 (6.5)	20 / 13
Night blood pres	SYS= 5.3%		DIA= 2.1%			

Current Drug

Doctor's advice

24H ABPM Report:

SYS: Max 187 mmHg(16:30),Min (132) mmHg(22:00)

DIA: Max 118 mmHg(18:40)Min (74) mmHg(17:49)

HR: Max 94 bpm(21:20)Min (43) bpm(17:49)

SYS exceed the clinical limits 61 % (Day)；DIA exceed the clinical limits 48% (Day)；

SYS exceed the clinical limits 13 "% (Night)；DIA exceed the clinical limits 9% (Night)；

Audit Doctor: **Diagnostic Doctor:**

ABPM Chart

Hospital Name:

Patient ID:11

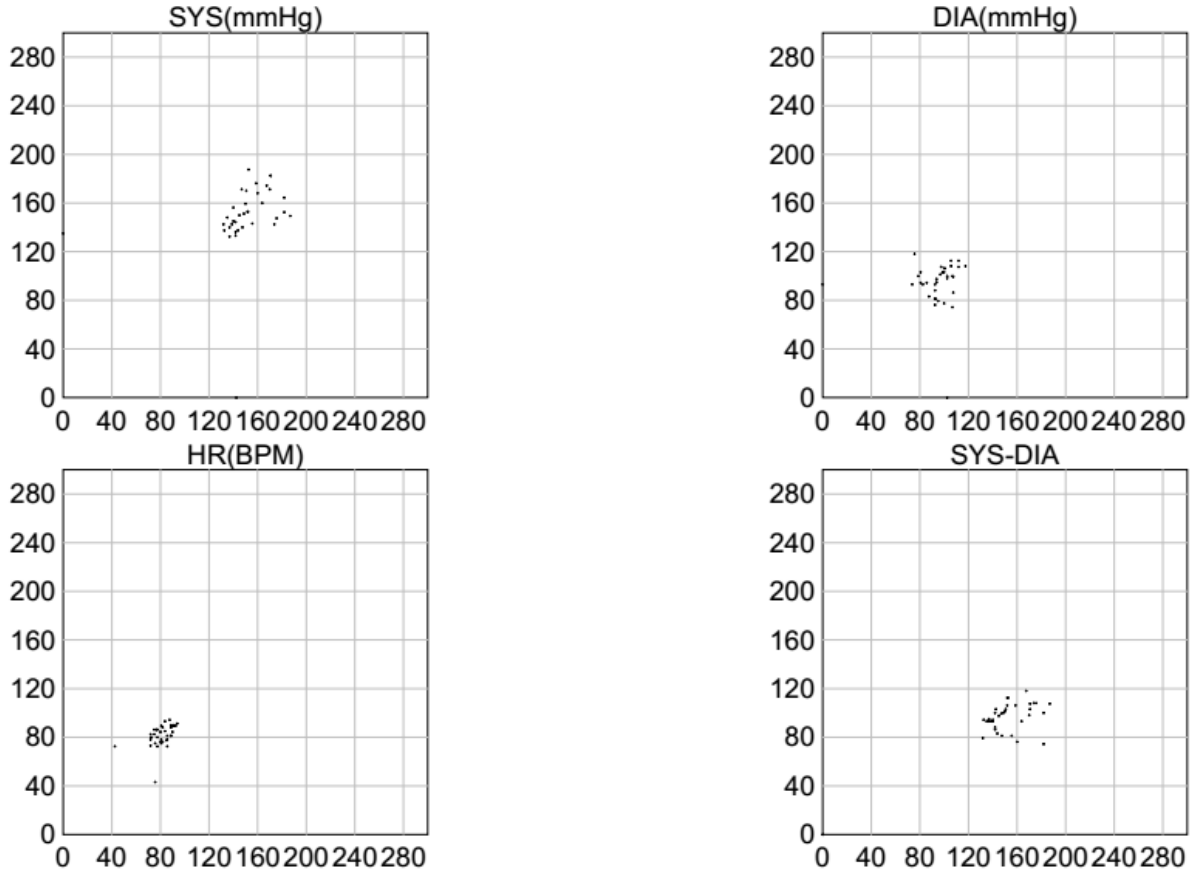
Patient Name:test patient

Print Time:2017-10-25 17:11:30

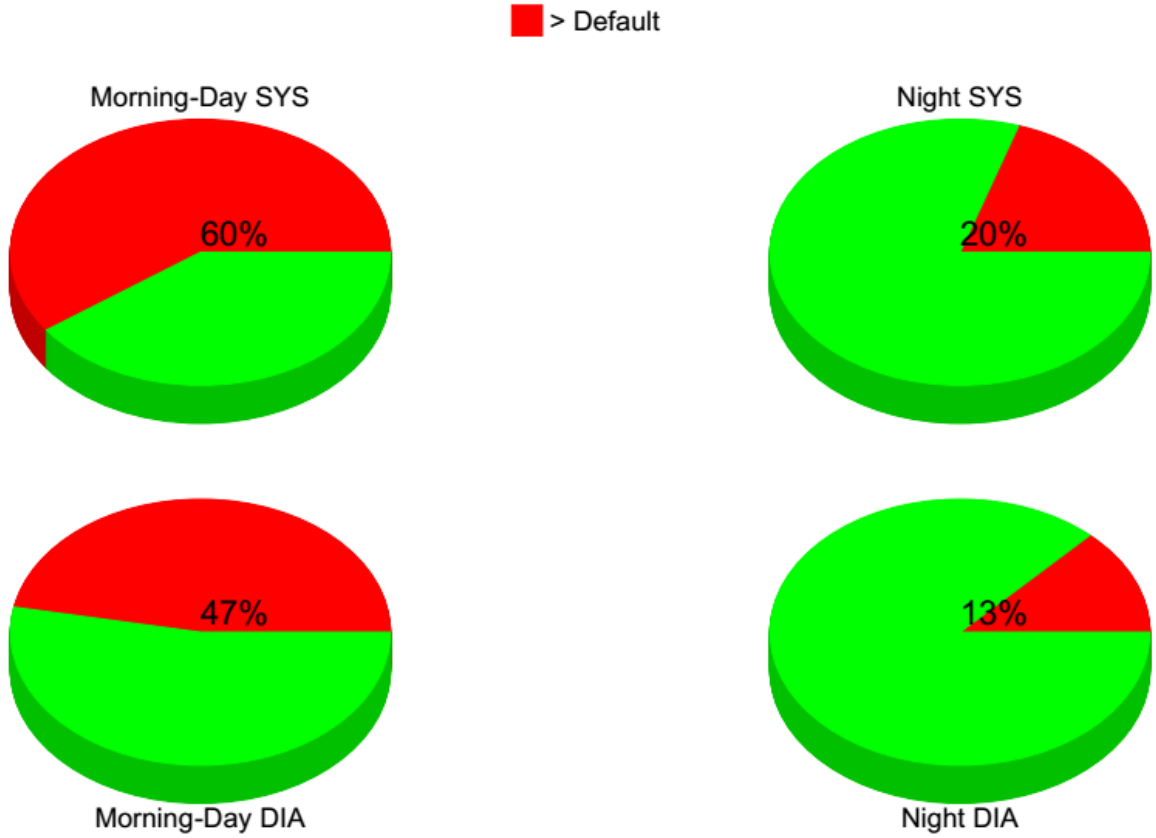
Start Time:2017-09-04 09:00:00

End Time:2017-09-04 22:40:00

LORENZ



Pie Chart



ABPM Chart

Hospital Name:

Patient ID:11

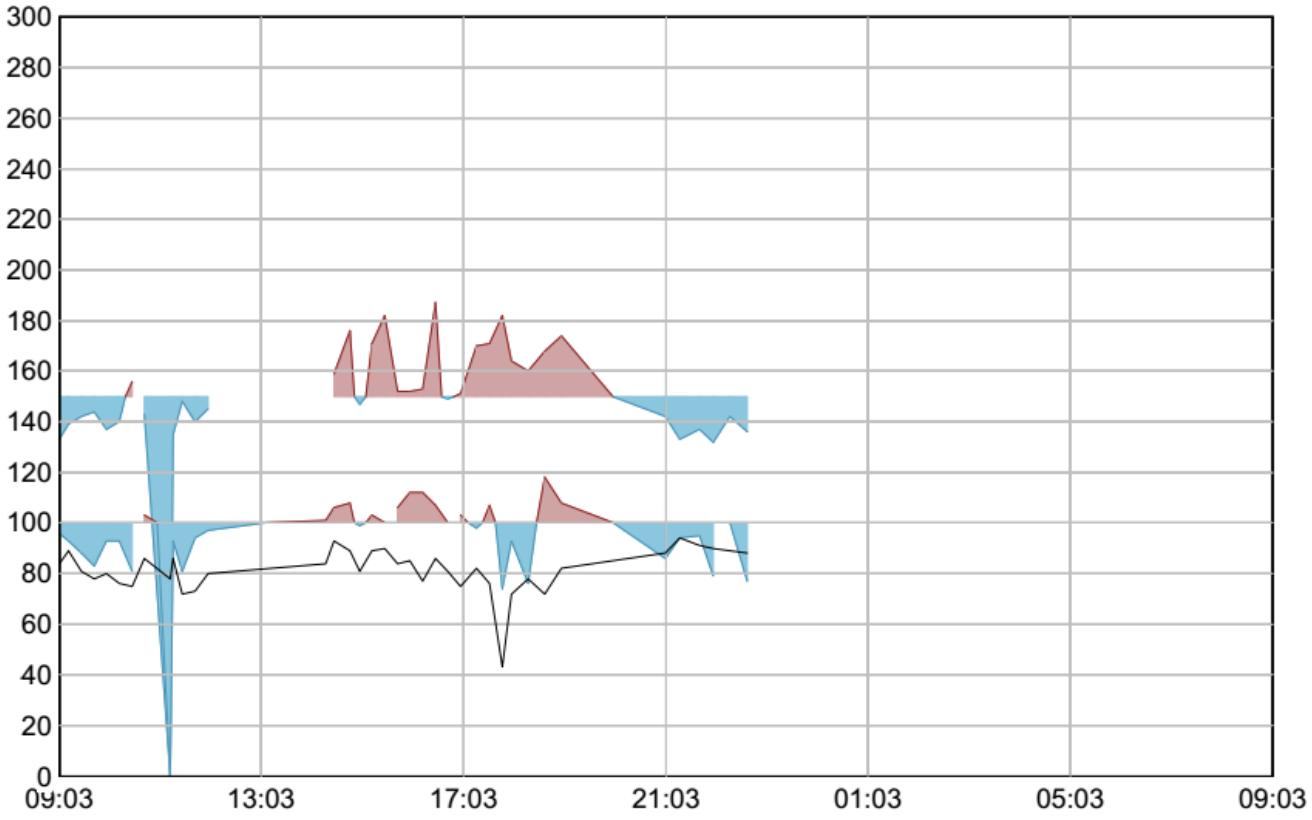
Patient Name:test patient

Print Time:2017-10-25 17:11:30

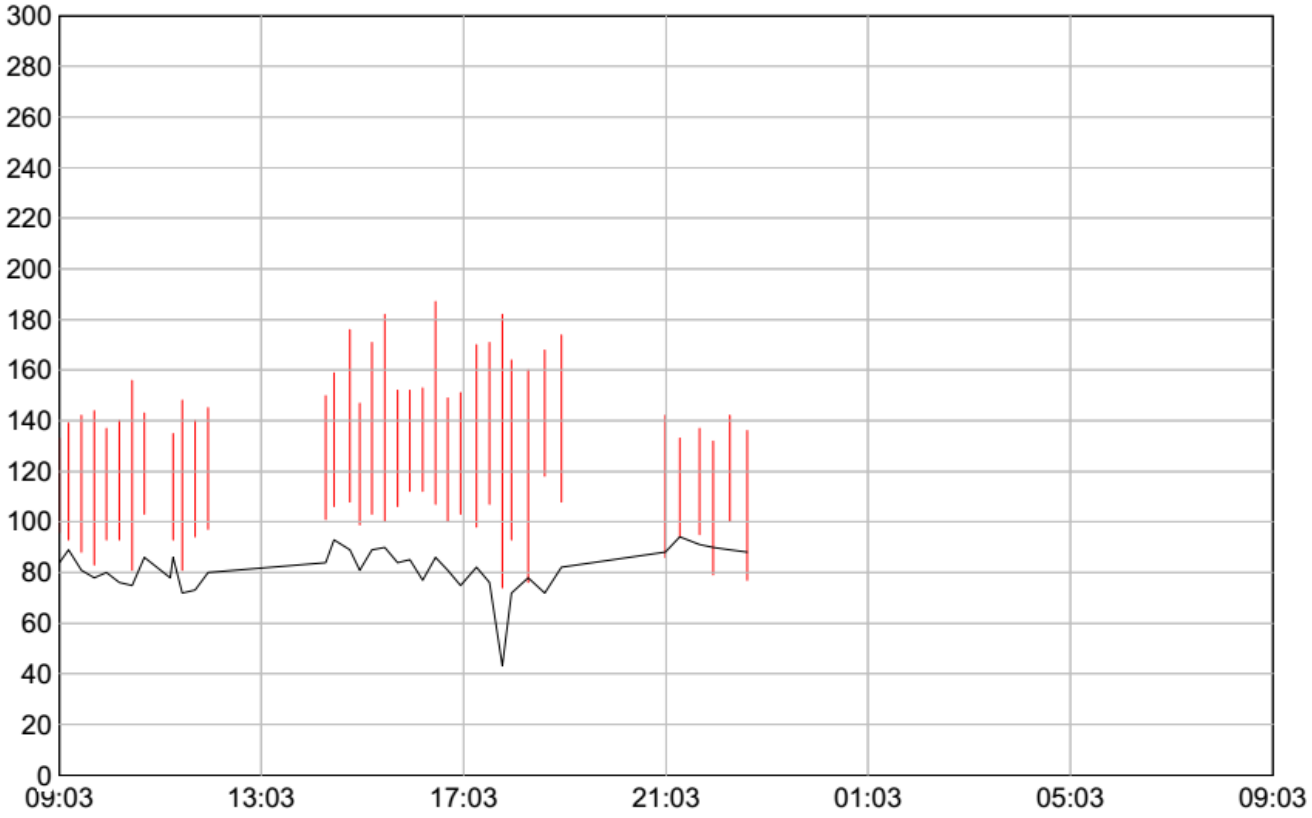
Start Time:2017-09-04 09:00:00

End Time:2017-09-04 22:40:00

BP/Pulse Trend



BP/Pulse Bar Chart



ABPM Chart

Hospital Name:

Patient ID:11

Patient Name:test patient

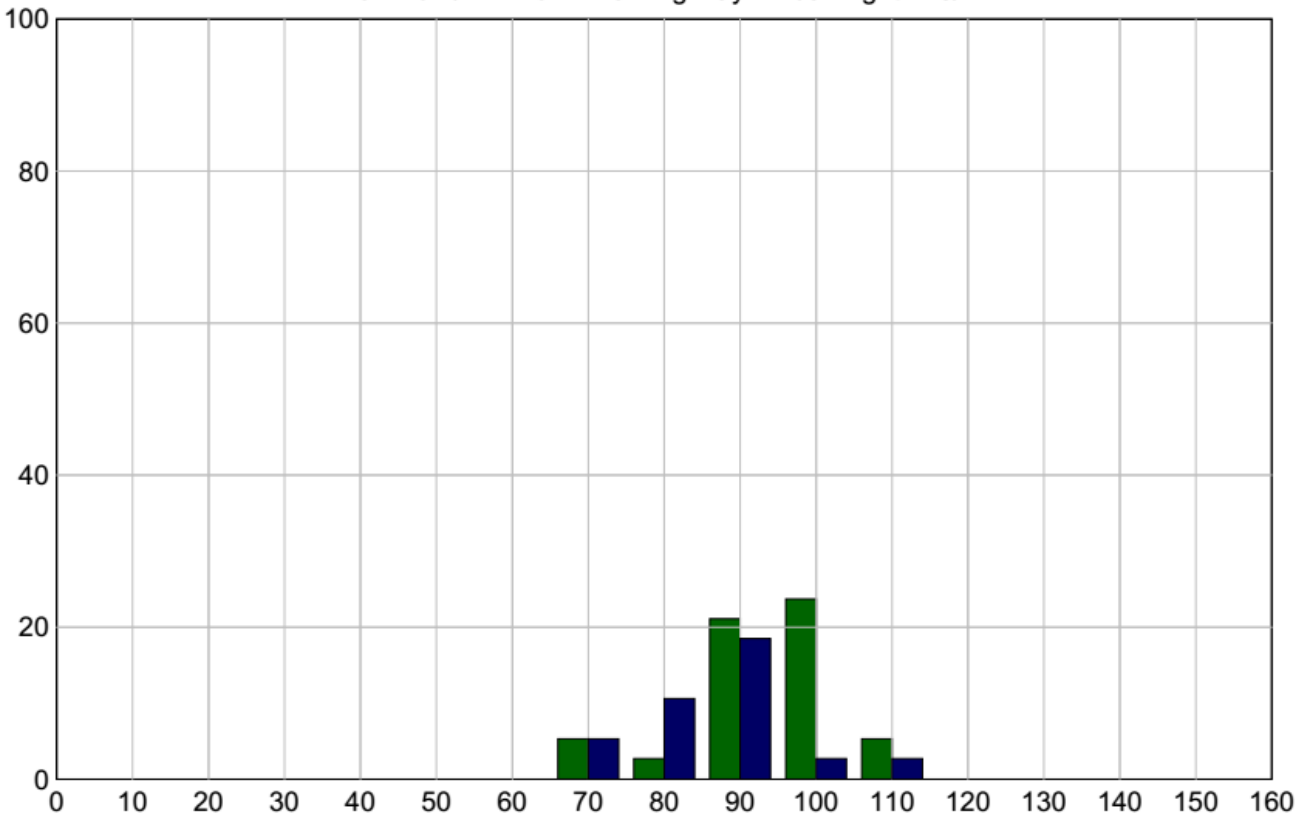
Print Time:2017-10-25 17:11:30

Start Time:2017-09-04 09:00:00

End Time:2017-09-04 22:40:00

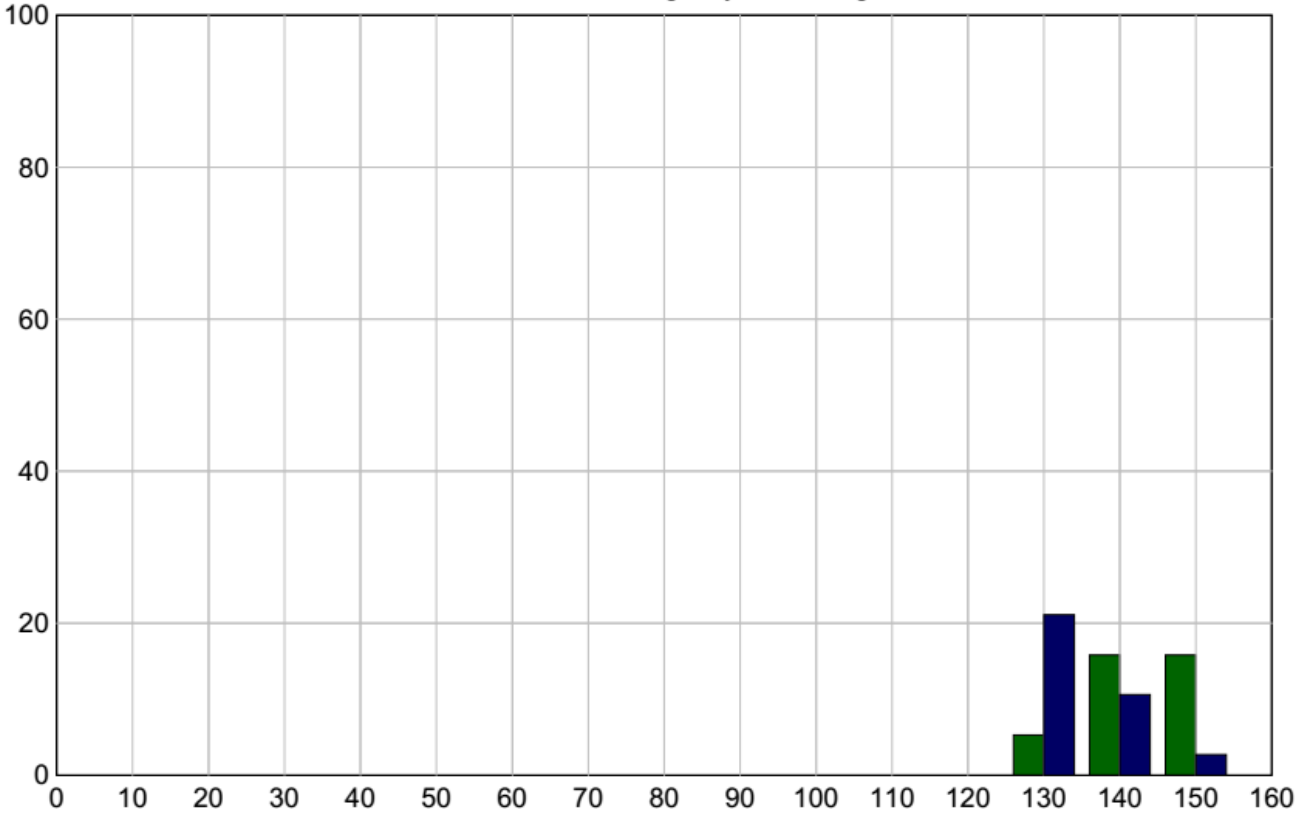
DIA D/N Comparison Histogram

Maximum/Minimum Morning-Day:112/0 Night:118/77



SYS D/N Comparison Histogram

Maximum/Minimum Morning-Day:187/0 Night:174/132



ABPM Chart

Hospital Name:

Patient ID:11

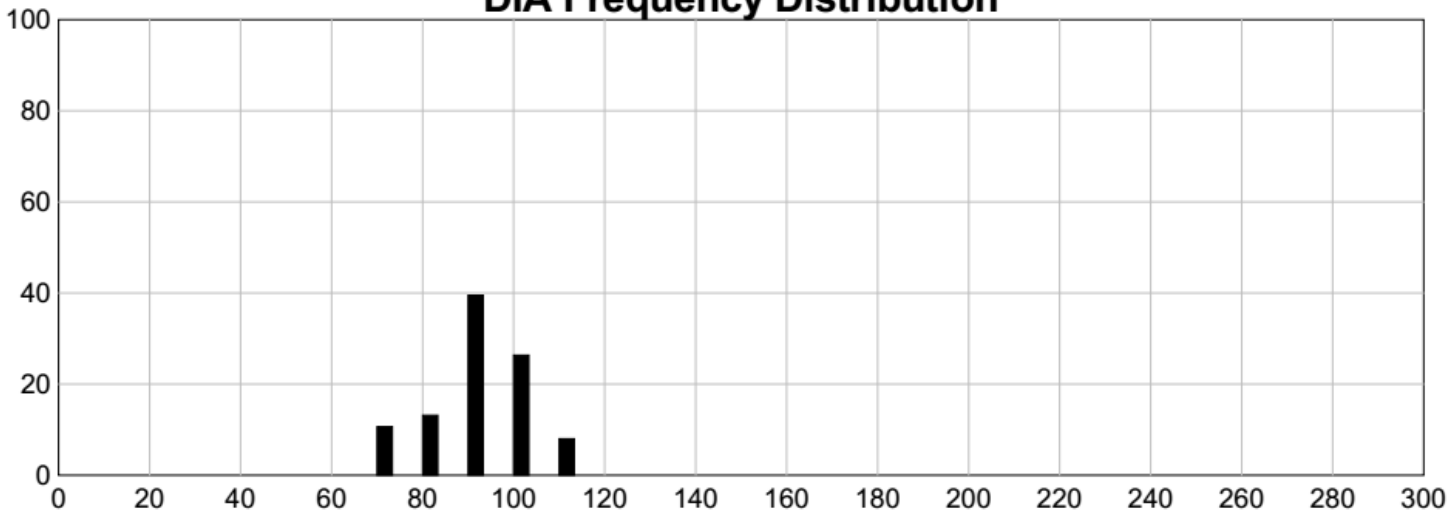
Patient Name:test patient

Print Time:2017-10-25 17:11:30

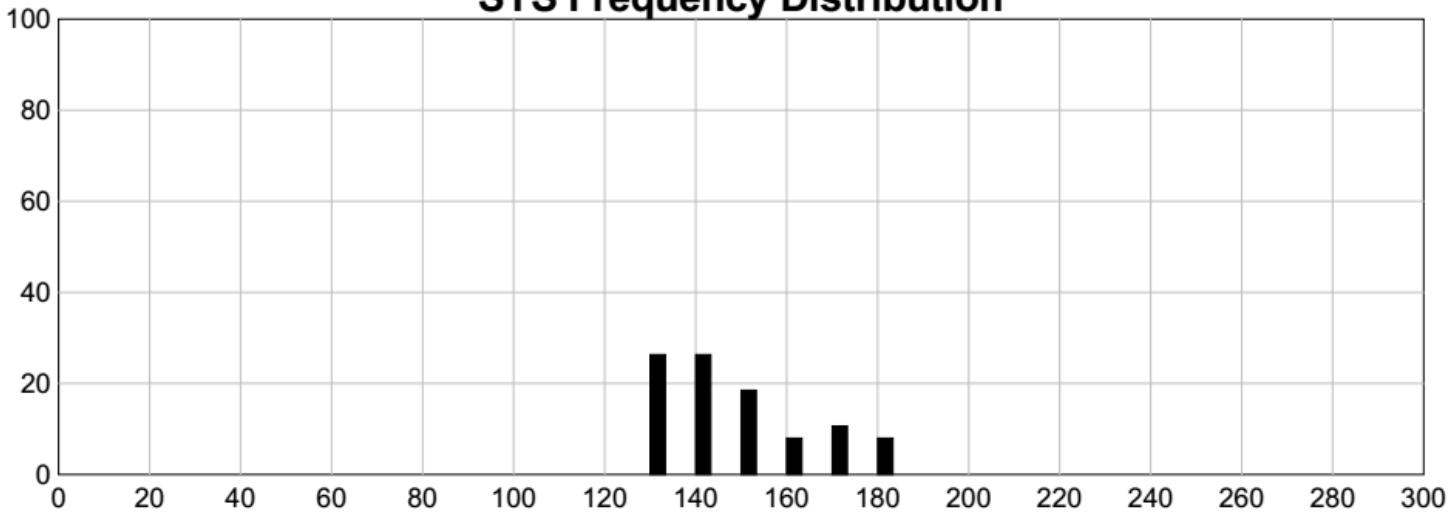
Start Time:2017-09-04 09:00:00

End Time:2017-09-04 22:40:00

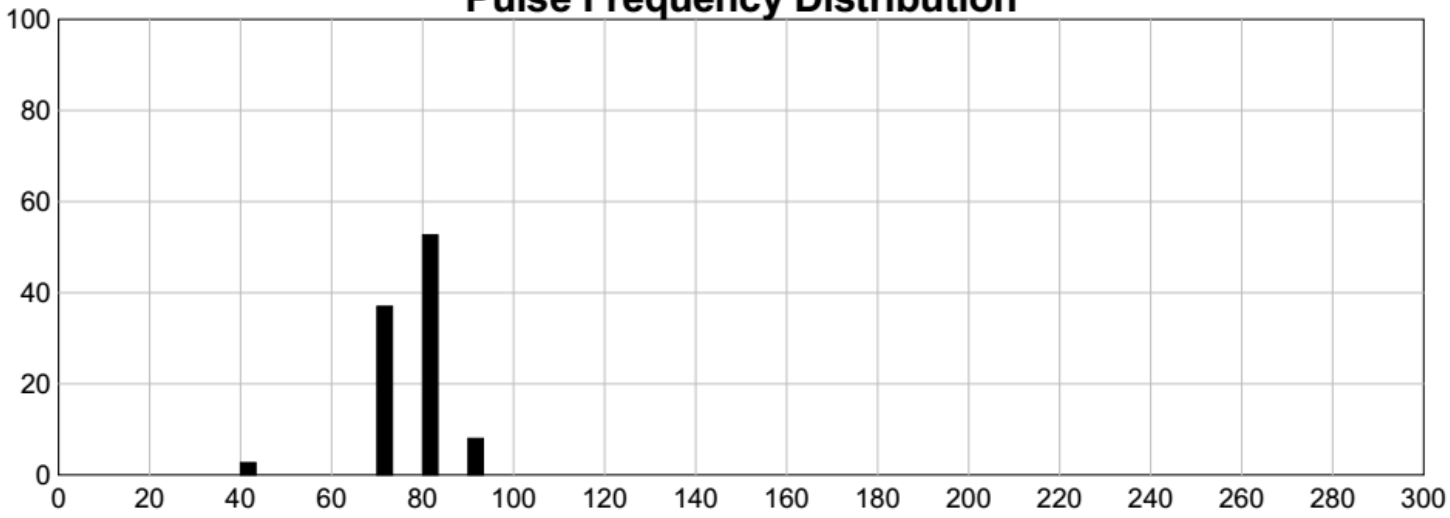
DIA Frequency Distribution



SYS Frequency Distribution



Pulse Frequency Distribution



ABPM Chart

Hospital Name:

Patient ID:11

Patient Name:test patient

Print Time:2017-10-25 17:11:30

Start Time:2017-09-04 09:00:00

End Time:2017-09-04 22:40:00

BP Data

Time	BP(mmHg)	HR	Remark
2017-09-04 09:03	133/96	84	
2017-09-04 09:15	139/93	89	
2017-09-04 09:30	142/88	81	
2017-09-04 09:45	144/83	78	
2017-09-04 10:00	137/93	80	
2017-09-04 10:15	140/93	76	
2017-09-04 10:30	156/81	75	
2017-09-04 10:45	143/103	86	
2017-09-04 11:15	0/0	78	
2017-09-04 11:18	135/93	86	
2017-09-04 11:30	148/81	72	
2017-09-04 11:45	140/94	73	
2017-09-04 12:00	145/97	80	
2017-09-04 14:19	150/101	84	
2017-09-04 14:30	159/106	93	
2017-09-04 14:49	176/108	89	
2017-09-04 15:00	147/99	81	
2017-09-04 15:15	171/103	89	
2017-09-04 15:30	182/100	90	
2017-09-04 15:45	152/106	84	
2017-09-04 16:00	152/112	85	
2017-09-04 16:15	153/112	77	
2017-09-04 16:30	187/107	86	
2017-09-04 16:45	149/100	81	
2017-09-04 17:00	151/103	75	
2017-09-04 17:19	170/98	82	
2017-09-04 17:34	171/107	76	
2017-09-04 17:49	182/74	43	
2017-09-04 18:00	164/93	72	
2017-09-04 18:20	160/76	78	
2017-09-04 18:40	168/118	72	
2017-09-04 19:00	174/108	82	
2017-09-04 21:03	142/86	88	
2017-09-04 21:20	133/94	94	
2017-09-04 21:43	137/95	91	
2017-09-04 22:00	132/79	90	
2017-09-04 22:20	142/100	89	
2017-09-04 22:40	136/77	88	

Company Information

Company:	BORSAM Biomedical Instruments Co.,Ltd.
WhatsApp/Tell:	+86 13791909449
Email:	Borsam2@bioxtime.com
Skype:	BORSAM Walden
Url:	en.bioxtime.com
Address:	Rm 502,University Innovation Park, Lishan Road,Xili town,Shenzhen,China