24-hours Ambulatory Blood Pressure Monitor

Feature

Suntech 3rd Generation Intelligent Measuring Technology

Patented Technology: Body Position:Record the body position during the testing

Features of Hardware

DMS300-ABP II





Whole Set Include:

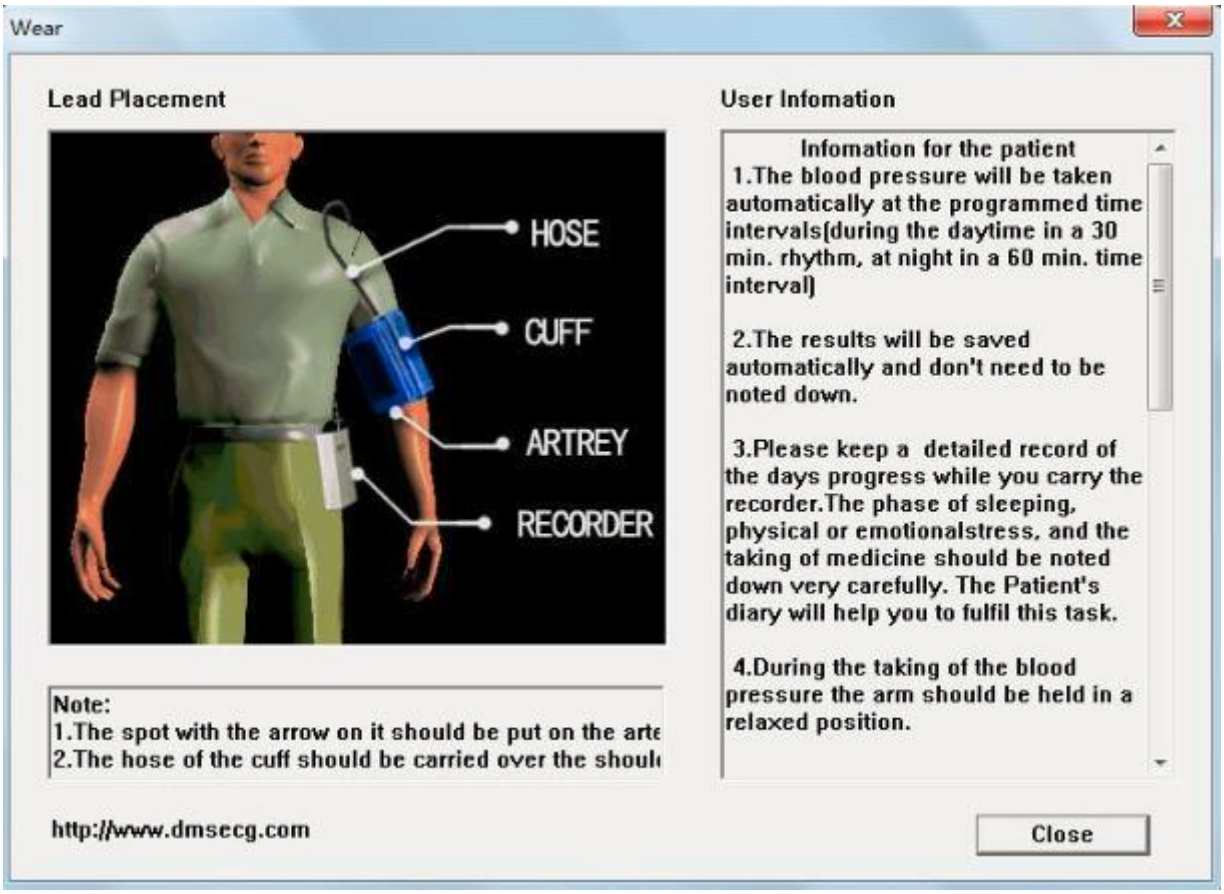
Item	Quantity
Security Key/Analyze Software	1
SSS CABLE	1
Ambulatory blood pressure monitor	1
Blood pressure monitors cuffs(25-35)	1
Blood pressure monitors cuffs(24-32)	1
POUCH	1
MANUAL	1

Measurement method	Oscillometry with step deflation
Storage medium	up to 460 times complete measurements
Blood Pressure Range	20mmHg-260mmHg
LCD display	LCD for measurement Procedure
Data connection	USB Interface
Dimension	116mm*70mm*40mm
Weight	250g（including batteries）
Power	DC 3.0V,2xLR06/AA Alkaline Batteries
Operating conditions	Temperature: 10℃ to 55℃ Humidity: 30-80%
Calibration	Once every 2 years
Storage conditions	Temperature: -20℃ to 65℃ Humidity: 15-93%
Recording Interval	5、10、15、20、30、45、60、90、120 min adjustable
Cuff	Small Adult Eclispe D-ring Cuff (with air tube)Model:21-29cm Adult Eclispe D-ring Cuff (with air tube)Model:28-37cm Large Adult Eclispe D-ring Cuff (with air tube)Model:36-46cm
Main performance	Overpressure Protection： Auto release when pressure exceeds 300mmHg Power-down-relief protection:Auto release even taking out batteries when inflating Power-down-data protection:data will not be lost even taking out batteries during recording Special Function:

FDA Certified

CE Certified **ISO13485 Certified**

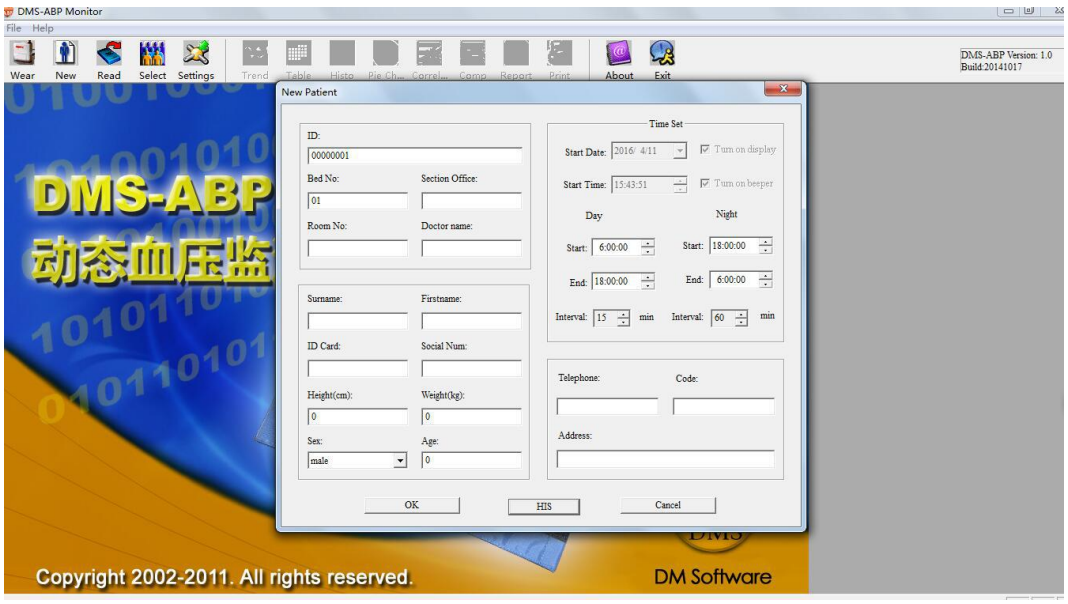
How to Wear



Features of Software

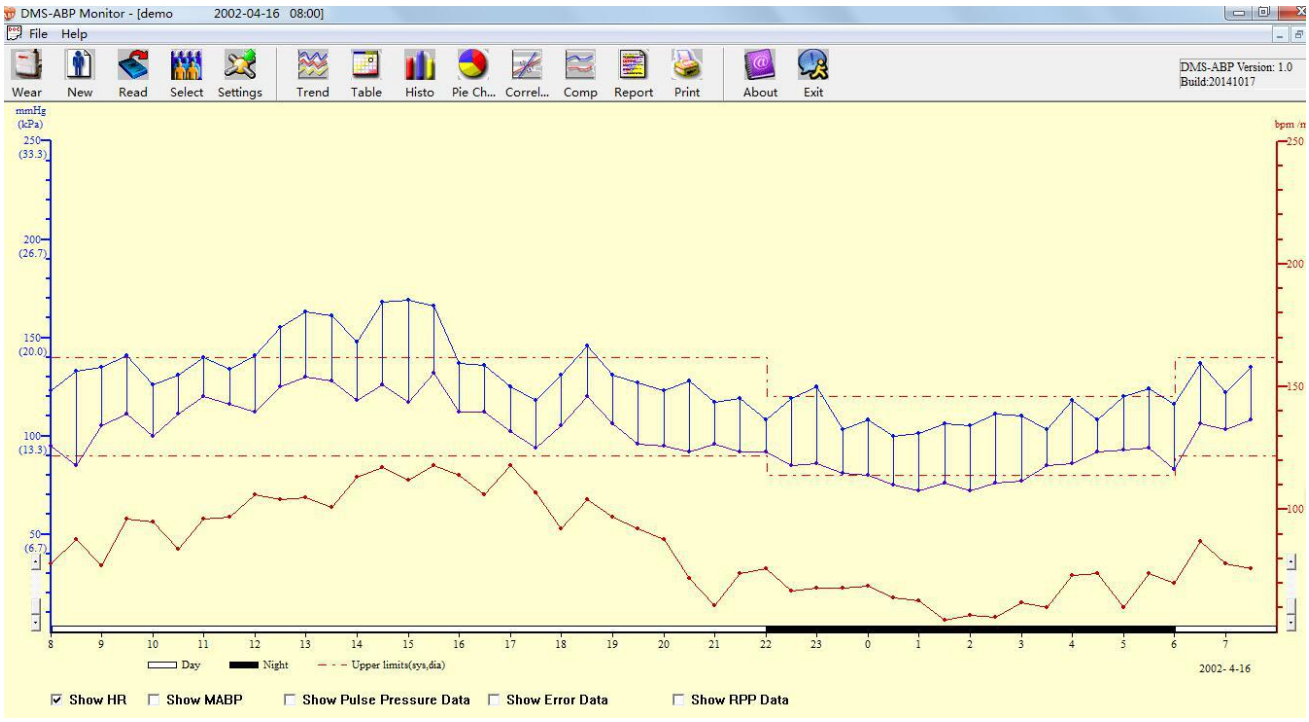
1.Easy operated English platform with powerful functions.
2.Windows XP/Vista/Win7 compatible;
3.Edit 24 hours blood pressure readings, data can be shared by DMS ECG Holter software and parallel correlation can be made for ECG and blood pressure;
4.Support comparison analysis of the patient ABP data of different time;
5.Variety of printing and display formats for physicians' convenient diagnosis;
6.Provide diverse statistical diagrams, like Tendency Chart, Histogram, Pie Chart, Comparison Diagram, Fitting Line, etc.;
7.Database holds all the tested ABP data and can playback to check at any time;
8.Color print compatible;
9.The ABP data can be transferred to ECG-NIS (ECG Network Information System) server computer to be shared by all departments of hospital and support HIS connection.

1.Software Interface



2.Software Function

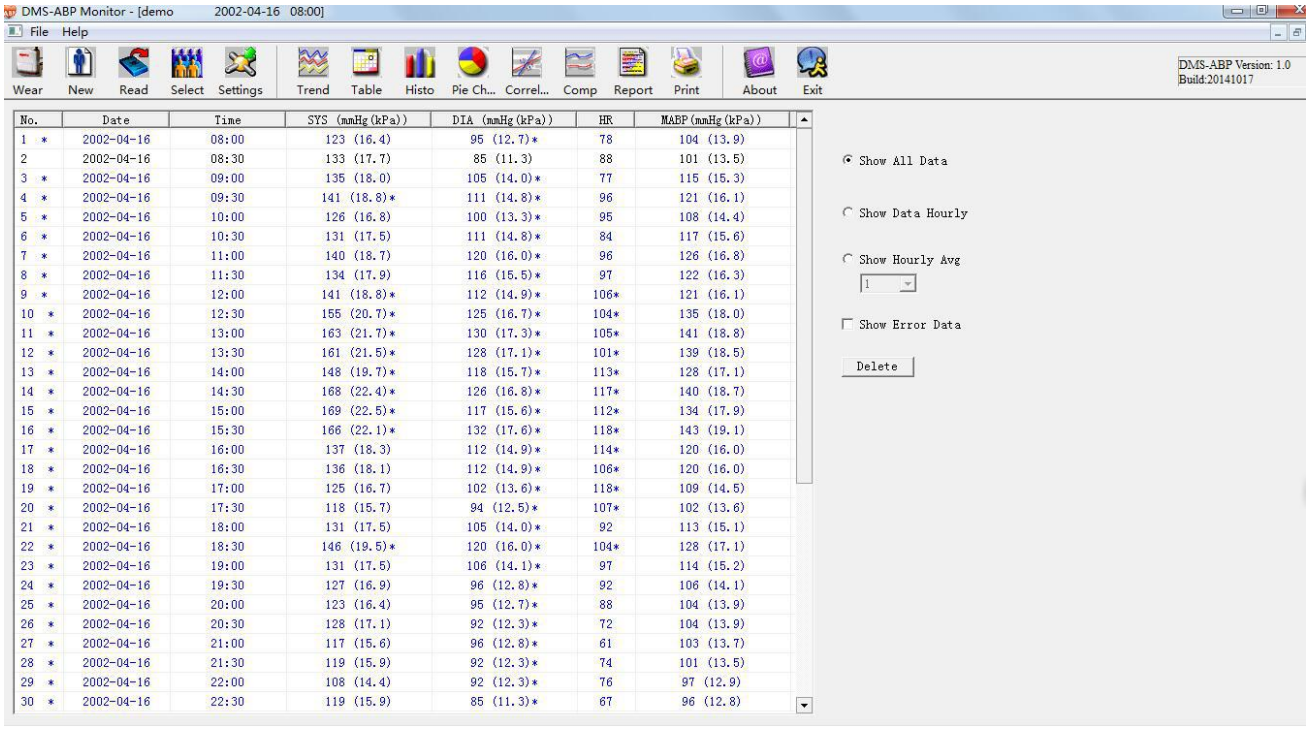
Trend



Blue line: Dia/Sys **Red line: Heart rate**

Could change the color of line through system setting

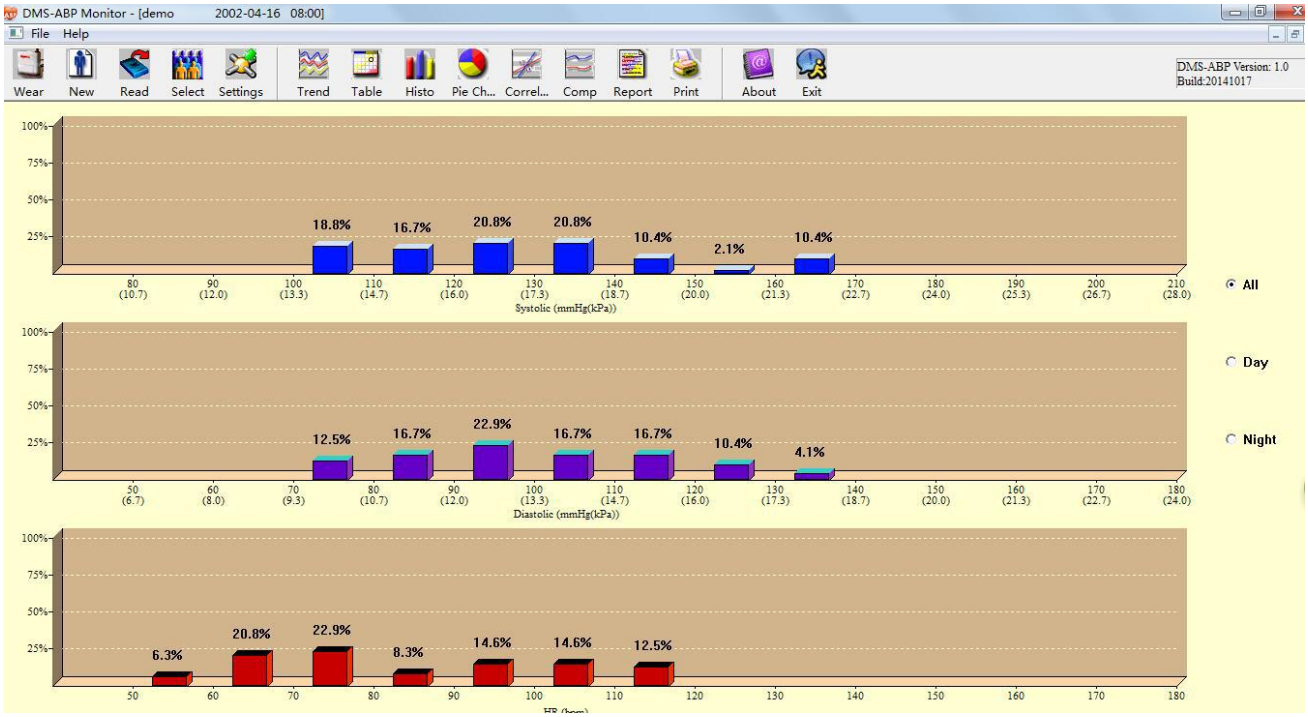
Table



No.	Date	Time	SYS (mmHg(kPa))	DIA (mmHg(kPa))	HR	MABP(mmHg(kPa))
1 *	2002-04-16	08:00	123 (16.4)	95 (12.7)*	78	104 (13.9)
2	2002-04-16	08:30	133 (17.7)	85 (11.3)	88	101 (13.5)
3 *	2002-04-16	09:00	135 (18.0)	105 (14.0)*	77	115 (15.3)
4 *	2002-04-16	09:30	141 (18.8)*	111 (14.8)*	96	121 (16.1)
5 *	2002-04-16	10:00	126 (16.8)	100 (13.3)*	95	108 (14.4)
6 *	2002-04-16	10:30	131 (17.5)	111 (14.8)*	84	117 (15.6)
7 *	2002-04-16	11:00	140 (18.7)	120 (16.0)*	96	126 (16.8)
8 *	2002-04-16	11:30	134 (17.9)	116 (15.5)*	97	122 (16.3)
9 *	2002-04-16	12:00	141 (18.8)*	112 (14.9)*	106*	121 (16.1)
10 *	2002-04-16	12:30	155 (20.7)*	125 (16.7)*	104*	135 (18.0)
11 *	2002-04-16	13:00	163 (21.7)*	130 (17.3)*	105*	141 (18.8)
12 *	2002-04-16	13:30	161 (21.5)*	128 (17.1)*	101*	139 (18.5)
13 *	2002-04-16	14:00	148 (19.7)*	118 (15.7)*	113*	128 (17.1)
14 *	2002-04-16	14:30	168 (22.4)*	126 (16.8)*	117*	140 (18.7)
15 *	2002-04-16	15:00	169 (22.5)*	117 (15.6)*	112*	134 (17.9)
16 *	2002-04-16	15:30	166 (22.1)*	132 (17.6)*	118*	143 (19.1)
17 *	2002-04-16	16:00	137 (18.3)	112 (14.9)*	114*	120 (16.0)
18 *	2002-04-16	16:30	136 (18.1)	112 (14.9)*	106*	120 (16.0)
19 *	2002-04-16	17:00	125 (16.7)	102 (13.6)*	118*	109 (14.5)
20 *	2002-04-16	17:30	118 (15.7)	94 (12.5)*	107*	102 (13.6)
21 *	2002-04-16	18:00	131 (17.5)	105 (14.0)*	92	113 (15.1)
22 *	2002-04-16	18:30	146 (19.5)*	120 (16.0)*	104*	128 (17.1)
23 *	2002-04-16	19:00	131 (17.5)	106 (14.1)*	97	114 (15.2)
24 *	2002-04-16	19:30	127 (16.9)	96 (12.8)*	92	106 (14.1)
25 *	2002-04-16	20:00	123 (16.4)	95 (12.7)*	88	104 (13.9)
26 *	2002-04-16	20:30	128 (17.1)	92 (12.3)*	72	104 (13.9)
27 *	2002-04-16	21:00	117 (15.6)	96 (12.8)*	61	103 (13.7)
28 *	2002-04-16	21:30	119 (15.9)	92 (12.3)*	74	101 (13.5)
29 *	2002-04-16	22:00	108 (14.4)	92 (12.3)*	76	97 (12.9)
30 *	2002-04-16	22:30	119 (15.9)	85 (11.3)*	67	96 (12.8)

Blue: data that exceed the upper limit Red: error data Black: regular data

Histogram



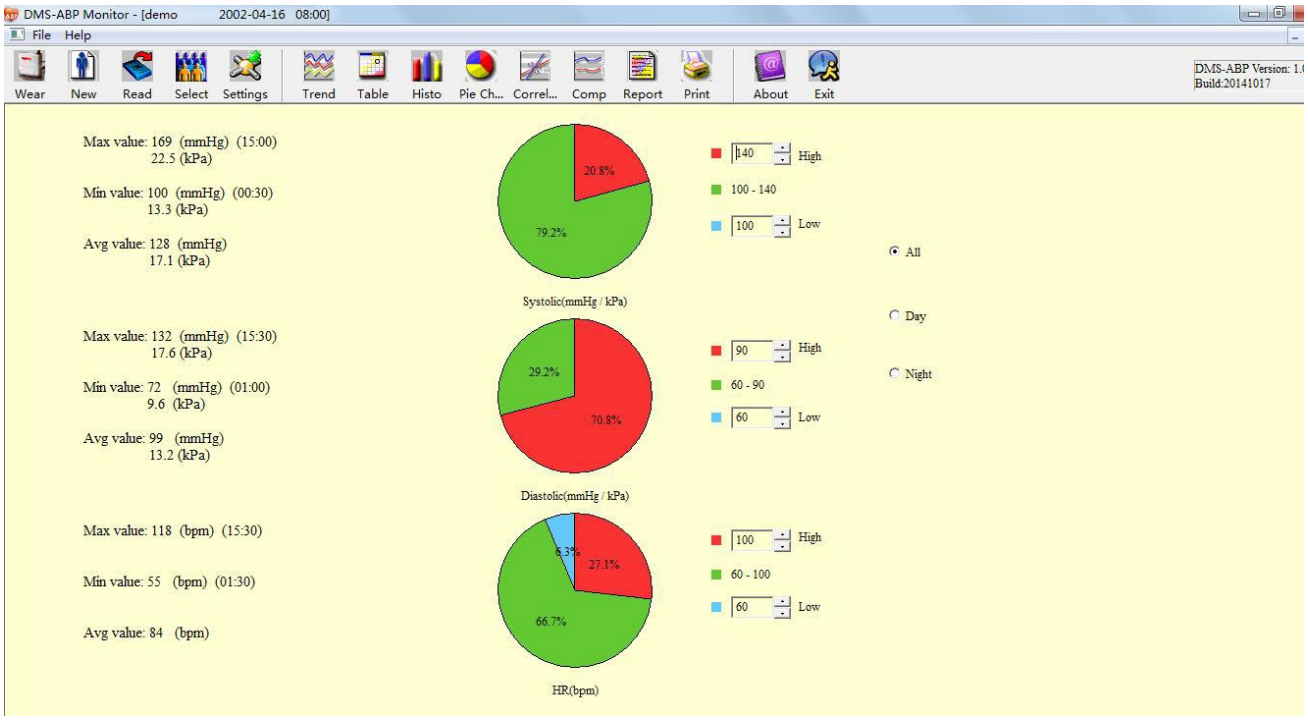
From histogram, showing blood pressure in the range of distribution

Blue: Systolic pressure

Purple: Diastolic pressure

Red: Heart rate

Pie



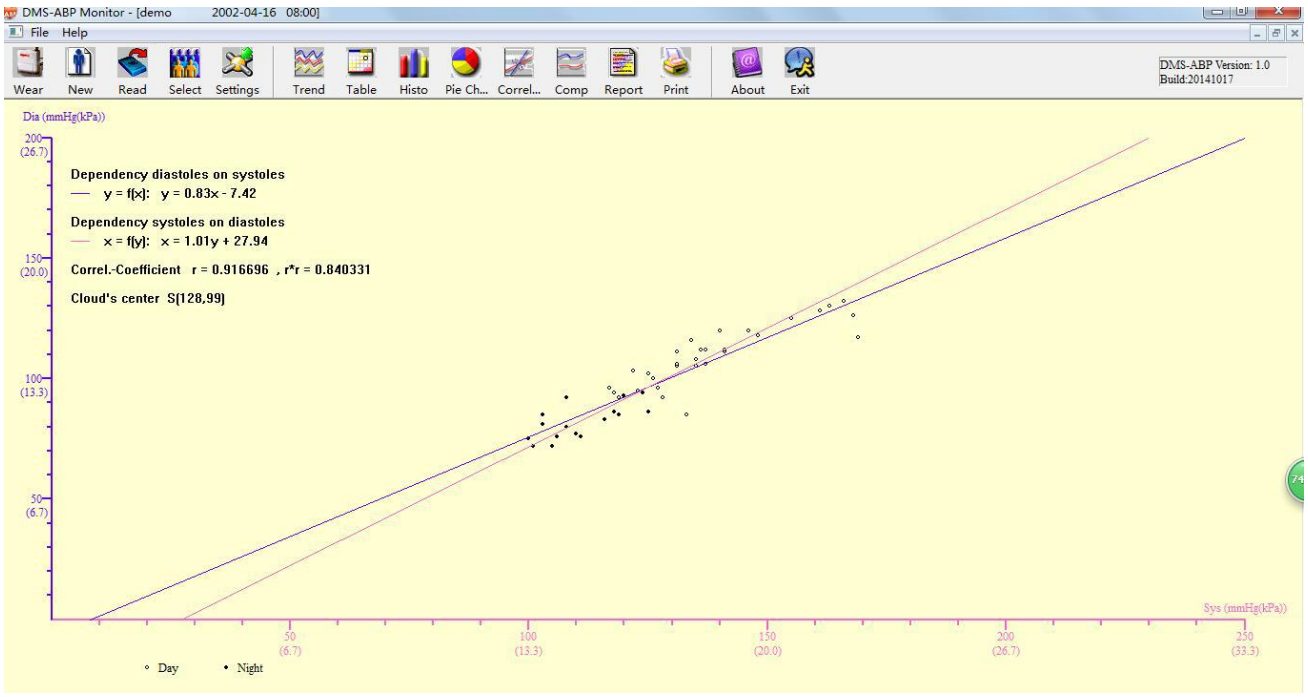
From pie charts showing blood in the distribution of provisions

Red: over standard

Green: Within standard

Blue: lower than standard

Fitting Line

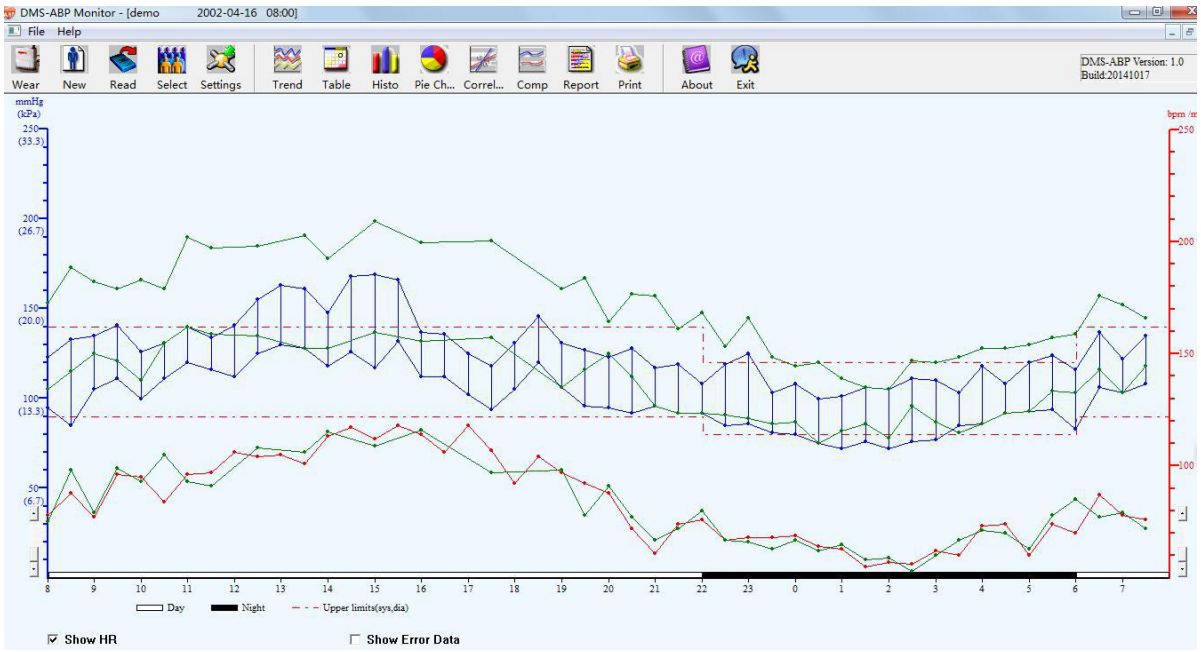


Fit line shows the regression line between the systolic and diastolic blood pressure, linear regression and correlation

White points: data in the daytime

Black point:data in the night time

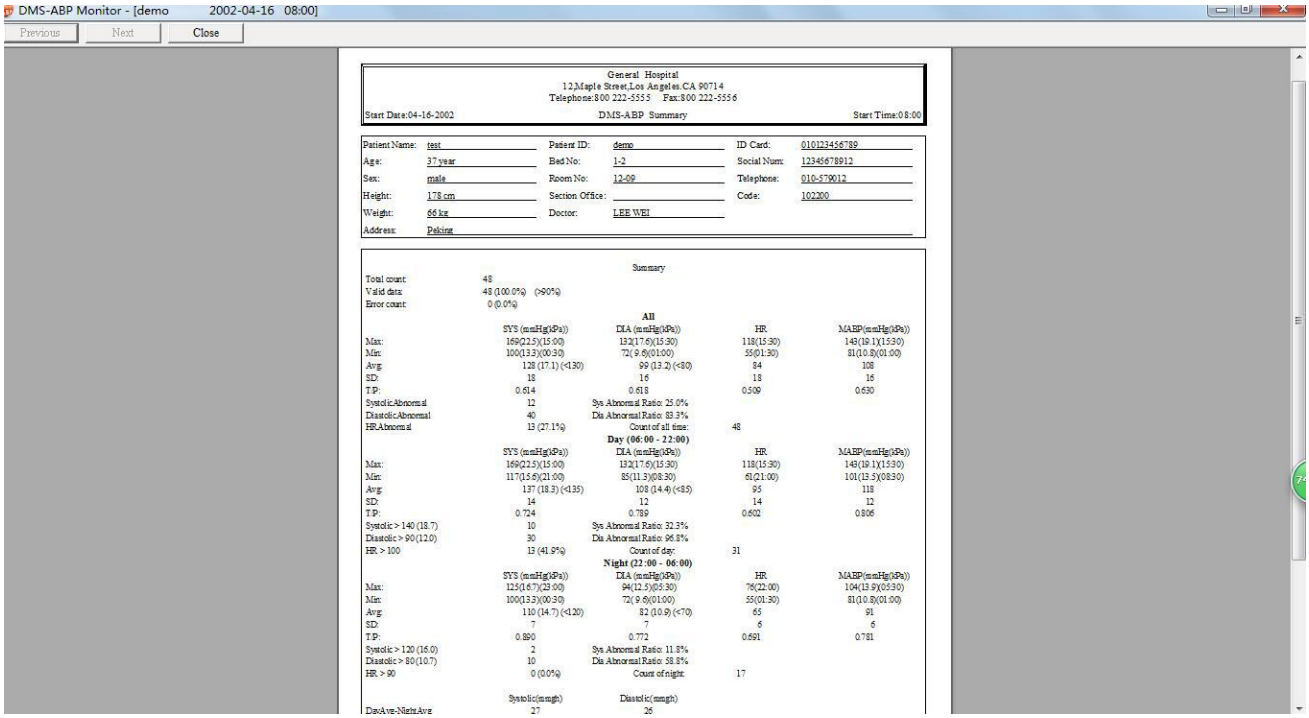
Comparison Diagram

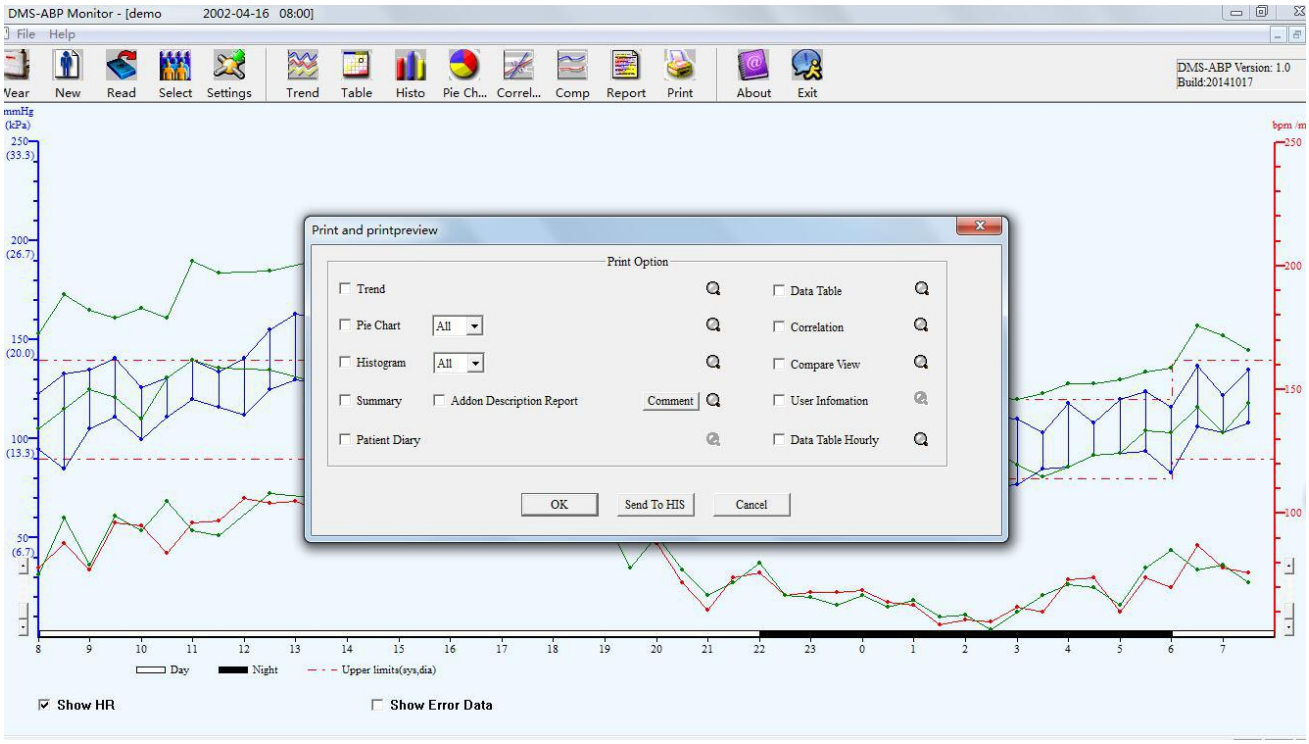


To select a patient in the past compared to the cases and the cases

Green: comparison diagram

Print Report





Why Should I use ABPM

Diagnosing and treating hypertension is serious business, and as research shows, ABPM is far superior to other testing available to clinicians. ABPM provides valuable diagnostic information that in-clinic and home blood pressure monitoring systems are incapable of measuring including:

- BP variability and a more accurate estimation of true blood pressure
- Overnight changes in blood pressure (dipper status)
- Morning surges in blood pressure

In general, ABPM is recognized in the medical community as a valuable tool for supporting the management of appropriate pharmacologic treatment as well as the assessment of:

- **"White coat" hypertension**, when elevated blood pressure measurements are recorded in the physican's office environment while blood pressure readings outside the physician's office are within a normal range.

- **Resistant hypertension**, when multiple anti-hypertensive medications fail to adequately control high blood pressure.

- **Masked hypertension**, when in-office measurements fall within an acceptable range, but the mean blood pressure is actually above the acceptable range.

- ***Hypotensive symptoms*** *with hypertensive medications.*

The diagnostic test begins with fitting a patient with a portable monitor and BP cuff. The patient leaves and returns the next day. Over this period of time, the monitor takes measurements periodically as programmed by the clinician, generally each 15-30 minutes during awake hours and 30-45 minutes during sleeping hours.You are then able to see the full picture when it comes to assessing blood pressure and diagnosing hypertension in your patient. The results of the ABPM study provide the most comprehensive representation of a patient's complete blood pressure profile.

*When the complete picture is what you need, we are here to provide you with just that.****Our ABPM devices don't miss a step – so you won't either.***