User Manual

Blood Pressure
Monitor For Animals
PetPro



The information in this manual is for reference only and is subject to change without notice and shall not be regarded as a commitment made by the Company. We are not responsible for possible errors or inaccuracies in this manual.

PetPro Blood Pressure Monitor is a clinical blood pressure automatic monitor, which is specially developed for animal blood pressure measurement. The subsequent upgrade will increase the function of pulse oxygen saturation and temperature measurement. The blood pressure cuff is tied to the pet's forelimb or tail. Portable devices are available in pet hospitals, which can be used for dynamic monitoring of blood pressure, continuous monitoring and testing of different animal ID.

PetPro is a portable device which is lightweight and supports touch and keystroke operation. The device is powered by a single rechargeable lithium-ion battery or four AA batteries at the bottom of the device. All parameters in the device can set the highest and lowest alarm limits.

Directory

1.	Icons and symbols	4
2.	Blood Pressure Monitor	4
2.1	Appearance	5
2.2	Connection Interface	6
2.3	Screen display	7
2.4	Start/stop button	8
3.	System functions	9
3.1	Animal Mode Selection	9
3.2	Volume	9
3.3	Settings	9
3.4	Work mode	10
4.	User settings	11
4.1	Alarm settings	11
4.2	Blood pressure settings	
4.3	System settings	13
4.4	Data review	
5.	Blood pressure measurements	17
5.1	Select the cuff	
5.2	Blood pressure measurements	17
5.3	Interval measurement mode	17
5.4	STAT mode (continuous measurement mode)	18
6.	Alarm	19
6.1	Technical alarm	19
6.2	Physiological alarm	20
7.	Technical information	21
7.1	Product model	21
7.2	Performance indicators	21
8.	Frequently asked questions	22

1. Icons and symbols

Symbol Details

Access the Settings screen

Small animal model

Large animal model

Open the icon menu

Start interval blood pressure measurement pattern

Adjust the volume

View data

Return to Upper menu

Exit menu

Delete all stored memory data

Mean selected blood pressure values

Begin STAT mode

Bluetooth

On/off/start/stop blood pressure measurements

Battery power indicator

2. Blood Pressure Monitor

2.1 Appearance



Setting button

Enter the Settings menu.

Power button

Short press to turn it on, long press for 2 seconds to turn it off; After turning it on, short press to measure or stop measurement.

Animal mode switch button Switch animal mode.

2.2 Connection Interface

1. Power adapter interface

Insert the AC adapter plug into the PetPro monitor, then plug the other end of the AC adapter into the power supply to charge the battery, and only use the AC adapter provided by our company, only use the AC adapter when using lithium battery power supply.



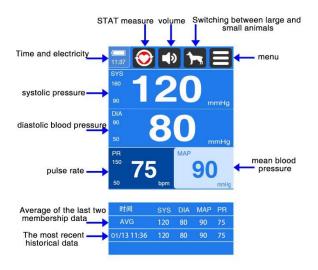
2. Blood pressure cuff interface

Connect the pet hose to the back of the monitor and make sure the connector is connected to the correct position.

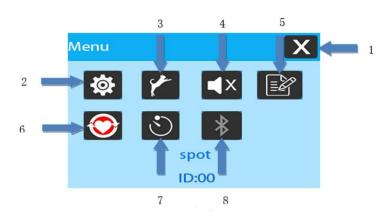


2.3 Screen display

The monitor boot will display the measurement interface. Here is a quick preview of the key symbols and values you will see.



Icon menu

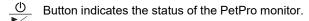


After pressing the "Menu" button on the main interface, the "Icon Menu" will open. Pet ${\sf Pro}$ Use Manual

The function settings of the device can be viewed through the icon indication. During blood pressure measurement, the "icon menu" cannot be accessed.

- 1.Exit the icon menu
- 2.Configurations
- 3. Selection of animals
- 4.speaker volume
- 5.Storage list
- 6.STAT mode (continuous measurement mode)
- 7.interval blood pressure measurement pattern
- 8.Bluetooth

2.4 Button on/Off



- In shutdown state, short press the button to boot, boot time by two seconds shutdown.
- 2. During the blood pressure reading, press the button to measure the blood pressure and stop the measurement again.
- 3. When it comes to touch screen, touch blood pressure measurement area can start or stop measurement. The area shown below.
- 4. Error, prompt status information, will appear prompt warning.



3. System functions

3.1 Animal Mode Selection

Select small animal mode, use #4 below specification cuff, suitable for measuring small animals (<8 kg), such as cats and dogs.

Select large animal model, use #5 and above cuff, suitable for measuring large animal (>8 kg) dogs.

If animal mode does not match, touch the main interface "size animal button" or shortcut key button to switch.







(size animal button)

(shortcut key)

3.2 Volume

The default setting of the speaker in the PetPro is turned off to prevent pets from being disturbed by sound. To switch between speaker off, low volume and high volume, please press the "volume" button to switch.









(Volume)

3.3 Settings

To enter the settings interface, select the settings button (🥸) in the menu.

Work mode Multiple user or guardianship option

User settings Optional or user

Alarm settings Set alarm upper and lower limits



Blood pressure settings Set blood pressu

Set blood pressure parameters

System settings Set system parameters

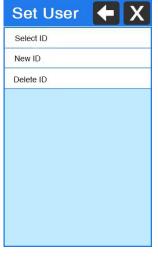
Data review
You can view
historical data lists
and trend charts

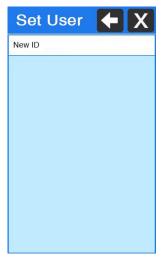
3.4 Work mode

PetPro support (Spot) multi-user measurement mode or (Monitor) monitoring mode

- Spot support up to 100 ID number management (0-99), each I D supports 200 sets of data storage, suitable for different animal temporary measurement management. When power saving mode is turned on, it will enter sleep mode after 10 minutes without measurement.
- Monitor only support single user management, support up to 1000 groups of data storage, suitable for continuous monitoring management.

4. User settings





(Spot mode)

(Monitor mode)

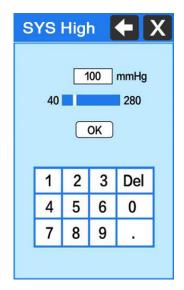
- User selection
- Add users
- Delete users

4.1 Alarm settings

PetPro BP Monitor allows clinical alarm signals for all values (systolic blood pressure, diastolic blood pressure, pulse rate).

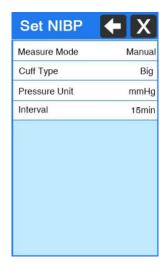
- to change the alarm value, select the settings interface in the icon menu and then select "alarm settings".
- Touch the parameter to be set, and then the setting interface will pop up.
- The left number is the minimum value that can be set, and the right number is the maximum value that can be set. The white progress bar indicates the area that the current upper and lower limits occupied in the total range.
- The minimum value of the upper limit setting cannot be lower than the lower limit, and the maximum value of the lower limit setting cannot be higher than the value of the upper limit setting.
- Click the value box to enter the value, click "OK" to confirm...
- When an alarm is triggered, the value beyond the set range will be prompted on the main interface. If the speaker is turned on, a beep will sound. See section 10 for more information on alarms..

Set Alarm	+	X
SYS High	100m	mHg
SYS Low	90m	mHg
DIA High	90m	mHg
DIA Low	50m	mHg
PR High	200	bpm
PR Low	50	bpm



SYS upper and lower limit range :40 mmHg ~280 mmHg DIA upper and lower limit range :10 mmHg ~220 mmHg Pulse rate upper and lower limit setting range :25 bpm ~500 bpm

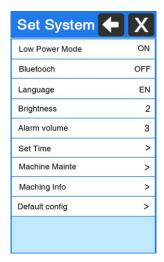
4.2 Blood pressure settings



- Measurement mode: Manual(manual), Auto(automatic), Stat(continuous).
- Sleeve type: small cuff mode (small animal), large cuff mode (large animal).

- Pressure unit: mmHg(mmHg), KPA.
- 4. measurement interval: measurement interval Auto(automatic mode), the interval time can be set 1,2,3,4,5,10,15,30,60 and 90 minutes.

4.3 System settings



Select "System Settings" in the "Settings" menu, and the following menu will pop up:

Energy saving mode: On, it will automatically sleep in SPOT mode.

Off, it will not sleep in SPOT mode.

Note: energy saving mode does not work on monitoring mode.

- Bluetooth: Bluetooth on / off.
- Language options: English, Spanish, French, Turkish, Russian, Deutsch, Portuguese.
- Brightness Options: Level 1, Level 2, Level 3, Level 4
- "Alarm Volume" options: Level 0, Level 1, Level 2, Level 3.
- Time: Time adjustment.
- "Machine Mainte": Set language. Pass word is "111112".
- Device Information: Device Version Number.
- Restore factory settings: In addition to language settings, other functions can be restored to default factory settings.

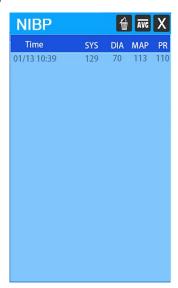
4.4 Data review

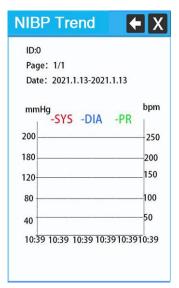
1. Select "Data Review" in the "Settings" menu or select in the icon menu to enter the historical data viewing interface. For example, in Monitor mode:





The users can check the blood pressure list and blood pressure trend chart in Data Review:





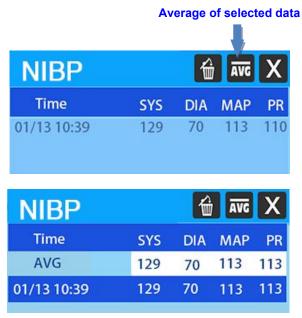
The trend graph shows systolic blood pressure, diastolic blood pressure, pulse rate, and different colors. The vertical axis on the left represents pressure, and the vertical axis on the right represents pulse rate. The red line represents SYS, the blue line represents DIA, and the green line represents PR. . The horizontal axis below shows the time, and the trend also includes ID, page number, Date (the time range of the data on this page), and all data can be reviewed by turning the page.



Blood pressure lists show measurements including time, SYS,DIA,MAP,PR, and average calculations. When we click, we will enter the average calculation interface, and select the data result of the average we want to calculate. When we click the delete icon, we can select the data result we want to delete.

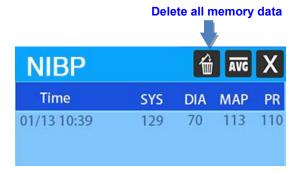
2. View Average Data

In the data list, blood pressure data can be averaged. Click on the identifier "to select the row you want to calculate the average value, showing the average value of the selected measurement result



3. Delete data

In the data list, clicking on the identifier "Delete data", it will delete all blood pressure data under the user



5. Blood pressure measurements 5.1 Select the cuff

PetPro monitor is equipped with different sizes of blood pressure cuff. Each cuff contains important marks, which helps to select the correct cuff size, measure the circumference of the limb, and select the cuff with a width of 40% of the dog's circumference and 30% of the cat's circumference. When the cuff is too small, the blood pressure is too high.

It is recommended that the cuff be placed on the forelimb when the pet lies on the right or left. This helps ensure that the cuff is at the same level as the heart, and the measurement accuracy is the highest. In addition, pets are less likely to retract their forelimbs when the cuff is gently squeezed during measurement. The cuff should be placed in a position to align its arterial markings with the limb artery.

If the pet looks comfortable, fix the cuff and hold the limb during blood pressure measurement. This will help keep the cuff at the same level as the heart and relax the pet's muscles. If the pet is anxious enough to bite or scratch the cuff or stand, the base of the tail is a good fixed position.

5.2 Blood pressure measurements

- Fix pet position, lie down, sit down or lie down. Place the cuff on the limb to ensure that it is not placed on the joint. The cuff is a sensor to ensure that the cuff is close to the pet skin to provide a better signal for the monitor. Connect the cuff hose to the monitor hose.
- 2. Select animal type according to animal weight or cuff type.
- 3. Press the start / stop button or click in the blood pressure measurement data screen area to start the blood pressure measurement. After the measurement is completed, the measurement results are displayed.
- During the measurement, start / stop button or click in the blood pressure measurement data screen area to stop the measurement.

Tip: during blood pressure readings, the icon menu is not available. to access the icon menu, wait until the blood pressure reading is complete or press the start/stop button to stop the reading.

Tip: it is recommended that animals be measured after 5 minutes of quiet.

5.3 Interval measurement mode

During the blood pressure interval measurement mode, the PetPro monitor automatically measures the blood pressure value according to the set time interval. The interval can be modified by the interval blood pressure setting function.

Tip: in interval measurement, blood pressure measurement can be started manually. If the measurement is stopped during the measurement, the

equipment will exit the interval measurement mode and enter the manual measurement mode



5.4 STAT mode (continuous measurement mode)

PetPro monitor will automatically continuously measure blood pressure in STAT mode.

Tip: in STAT mode, when the equipment does not start measuring blood pressure, it can start the blood pressure measurement manually. If the measurement is stopped during the measurement process, the equipment will exit the interval measurement mode and enter the manual measurement mode



6. Alarm

6.1 Technical alarm

When an error occurs during blood pressure measurement, a technical alarm will be activated.

During the alarm period, a sound will be emitted and a pop-up window will appear to warn the cause of the failure.Invalid Blood Pressures will not be displayed.

Air leakage There is a leak in the cuff, hose or main unit. It will also appear if the cuff or hose is not connected to the main unit. Beyond Scope Beyond Blood pressure exceeds PetPro monitoring Weak signal Weak signal Weak signal Beyond Brood pressure exceeds PetPro monitoring Weak signal Weak signal Weak signal Weak signal Brood Brood pressure exceeds PetPro monitoring Check if the cuff is in the correct position. Check if the cuff is properly fastened. Check if the cuff is in the correct position. Check if the pet is trembling or has an excessive activity. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is properly factor. Check	Alarm	Reasons	Solutions
main unit. It will also appear if the cuff or hose is not connected to the main unit. Beyond Blood pressure exceeds PetPro monitoring Pet may be too active Weak signal BP monitor did not receive pet's strong signal. If Rapid deflation occurred during the measurement, it may also happen. Excessive exercise Peteroing a sudden noise or operation. Measuring time is too long Battery is too low Bayond Blood pressure exceeds PetPro monitoring Pet may be too active Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is properly fastened. Check if the cuff is properly fastened. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct size cuff is used. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the pet is moving or shaking.	Air	There is a leak in	Check if the hose is connected to
also appear if the cuff or hose is not connected to the main unit. Beyond Scope Beyond Scope PetPro monitoring Pet may be too active Weak signal BP monitor did not receive pet's strong signal. If Rapid deflation occurred during the measurement, it may also happen. Excessive exercise The monitor is receiving a sudden noise or operation. Measuring time is too long Battery is too low Battery is too low Airflow Air fan not pass Beyond Blood pressure exceeds PetPro monitoring Details in the cuff is leaking. Check if the cuff used is the correct size. Pet may be too active Check if the cuff is in the correct position. Check if the cuff is properly fastened. Check if the correct size cuff is used. Check the animal mode. It may be set incorrectly. Check if the cuff is in the correct position. Check to make sure if the cuff is in the correct position. Check to make sure if the cuff is in the correct position. Check if the pet is moving or shaking. Battery is too low Airflow Air can not pass Check to make sure that the bose is	leakage	the cuff, hose or	the BP monitor and cuff.
Cuff or hose is not connected to the main unit. Beyond Blood pressure exceeds PetPro monitoring Pet may be too active Weak signal BP monitor did not receive pet's strong signal. If Rapid deflation occurred during the measurement, it may also happen. Excessive exercise The monitor is receiving a sudden noise or operation. Measuring time is too long Battery is too low Beyond Blood pressure exceeds PetPro monitoring Pet may be too active Check if the cuff is in the correct position. Check the patient. Check if the correct size cuff is used. Check if the correct size cuff is used. Check if the pet is trembling or has an excessive activity. Check if the cuff is in the correct position. Check if the correct size cuff is used. Check to make sure if the cuff is tightly attached to the pet and is properly placed. Check if the uff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct size cuff is used. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the pet is moving or shaking.		main unit. It will	Check if the cuff is properly
connected to the main unit. Beyond Blood pressure exceeds PetPro monitoring Pet may be too active Weak signal BP monitor did not receive pet's strong signal. If Rapid deflation occurred during the measurement, it may also happen. Excessive exercise The monitor is receiving a sudden noise or operation. Measuring time is too long Battery is too low Beyond Blood pressure exceeds PetPro monitoring Pet may be too active Check if the cuff is in the correct position. Check if the cuff is properly fastened. Check if the correct size cuff is used. Check if the correct size cuff is used. Check if the pet is trembling or has an excessive activity. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the pet is moving or shaking. See the battery life indicator on the main screen. If necessary, replace the battery. Check to make sure that the hose is		also appear if the	fastened.
Beyond Blood pressure exceeds PetPro monitoring Pet may be too active Weak signal BP monitor did not receive pet's strong signal. If Rapid deflation occurred during the measurement, it may also happen. Excessive exercise The monitor is receiving a sudden noise or operation. Excessive exercise The monitor is receiving a receiving a sudden noise or operation. Measuring time is too long Battery is too low Battery is too low Airflow Airflow Beyond Blood pressure exceeds adamaged or loose. Make sure that the cuff used is the correct size. Make sure that the cuff used is the correct size. Make sure that the cuff is in the correct position. Check if the cuff is properly fastened. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the pet is moving or shaking. Battery is too low Airflow Air can not pass Check to make sure if the cuff is tightly attached to the pet and is properly placed. Check if the pet is moving or shaking. See the battery life indicator on the main screen. If necessary, replace the battery. Check to make sure if the cuff is in the correct position. Check if the patient. Check the patient. Check the patient. Check the patient. Check the animal mode. It may be set incorrectly. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the pet is moving or shaking.		cuff or hose is not	Check if the cuff is in the correct
Beyond Scope Blood pressure exceeds PetPro monitoring Weak signal BP monitor did not receive pet's strong signal. If Rapid deflation occurred during the measurement, it may also happen. Excessive exercise The monitor is receiving a sudden noise or operation. Measuring time is too long Battery is too low Air can not pass Make sure that the cuff used is the correct size. Pet may be too active Check if the cuff is in the correct position. Check the patient. Check if the cuff is properly fastened. Check if the correct size cuff is used. Check the animal mode. It may be set incorrectly. Check if the pet is trembling or has an excessive activity. Check if the cuff is in the correct position. Check to make sure if the cuff is tightly attached to the pet and is properly placed. Check if the pet is moving or shaking. See the battery life indicator on the main screen. If necessary, replace the battery. Check to make sure that the cuff is the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the pet is moving or shaking. See the battery life indicator on the main screen. If necessary, replace the battery.		connected to the	position. Check if the cuff is leaking.
Beyond Scope Blood pressure exceeds PetPro monitoring Weak signal BP monitor did not receive pet's strong signal. If Rapid deflation occurred during the measurement, it may also happen. Excessive exercise The monitor is receiving a sudden noise or operation. Measuring time is too long Battery is too low Air can not pass Make sure that the cuff used is the correct size. Pet may be too active Check if the cuff is in the correct position. Check if the cuff is properly fastened. Check the animal mode. It may be set incorrectly. Check if the pet is trembling or has an excessive activity. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the pet is moving or shaking. See the battery life indicator on the main screen. If necessary, replace the battery. Check to make sure that the hose is		main unit.	Check if the hose connection is
Beyond Scope Blood pressure exceeds PetPro monitoring Weak signal BP monitor did not receive pet's strong signal. If Rapid deflation occurred during the measurement, it may also happen. Excessive exercise The monitor is receiving a sudden noise or operation. Measuring time is too long Battery is too low Air can not pass Make sure that the cuff used is the correct size. Pet may be too active Check if the cuff is in the correct position. Check if the cuff is properly fastened. Check the animal mode. It may be set incorrectly. Check if the pet is trembling or has an excessive activity. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the pet is moving or shaking. See the battery life indicator on the main screen. If necessary, replace the battery. Check to make sure that the hose is			damaged or loose.
Scope	Beyond	Blood pressure	
Weak signal BP monitor did not receive pet's strong signal. If Rapid deflation occurred during the measurement, it may also happen. Excessive exercise The monitor is receiving a sudden noise or operation. Measuring time is too long Battery is too low Airflow Air can not pass The monitor coil dn't receive pet's strong signal. If Rapid deflation occurred during the measurement, it may also happen. Check the patient. Check if the cuff is properly fastened. Check if the correct size cuff is used. Check if the pet is trembling or has an excessive activity. Check if the correct size cuff is used. Check to make sure if the cuff is tightly attached to the pet and is properly placed. Check if the cuff is in the correct position. Check if the pet is moving or shaking. See the battery life indicator on the main screen. If necessary, replace the battery. Check to make sure that the hose is	•	· · · · · · · · · · · · · · · · · · ·	correct size.
Weak signal BP monitor did not receive pet's strong signal. If Rapid deflation occurred during the measurement, it may also happen. Excessive exercise The monitor is receiving a sudden noise or operation. Measuring time is too long Battery is too low Airflow Air can not pass The monitor coil dn't receive pet's strong signal. If Rapid deflation occurred during the measurement, it may also happen. Check the patient. Check if the cuff is properly fastened. Check if the correct size cuff is used. Check if the pet is trembling or has an excessive activity. Check if the correct size cuff is used. Check to make sure if the cuff is tightly attached to the pet and is properly placed. Check if the cuff is in the correct position. Check if the pet is moving or shaking. See the battery life indicator on the main screen. If necessary, replace the battery. Check to make sure that the hose is	'	PetPro monitoring	Pet may be too active
receive pet's strong signal. If Rapid deflation occurred during the measurement, it may also happen. Excessive exercise The monitor is receiving a sudden noise or operation. Measuring time is too long Battery is too low Battery is too low Airflow Air can not pass Teceive pet's strong signal. If Rapid deflation occurred during the measurement, it may also happen. Check the patient. Check the patient. Check if the cuff is properly fastened. Check if the correct size cuff is used. Check if the pet is trembling or has an excessive activity. Check if the cuff is in the correct position. Check to make sure if the cuff is tightly attached to the pet and is properly placed. Check if the cuff is in the correct position. Check if the pet is moving or shaking. See the battery life indicator on the main screen. If necessary, replace the battery. Check to make sure that the hose is	Weak signal		
Rapid deflation occurred during the measurement, it may also happen. Excessive exercise The monitor is receiving a sudden noise or operation. Measuring time is too long Battery is too low Airflow Air can not pass The monitor is receiving a sudden noise or operation. Check if the correct size cuff is used. Check the animal mode. It may be set incorrectly. Check if the pet is trembling or has an excessive activity. Check if the correct size cuff is used. Check to make sure if the cuff is tightly attached to the pet and is properly placed. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the pet is moving or shaking. See the battery life indicator on the main screen. If necessary, replace the battery. Check to make sure that the hose is		receive pet's	position.
Rapid deflation occurred during the measurement, it may also happen. Excessive exercise The monitor is receiving a sudden noise or operation. Measuring time is too long Battery is too low Airflow Air can not pass The monitor is receiving a sudden noise or operation. Check if the correct size cuff is used. Check the animal mode. It may be set incorrectly. Check if the pet is trembling or has an excessive activity. Check if the correct size cuff is used. Check to make sure if the cuff is tightly attached to the pet and is properly placed. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the pet is moving or shaking. See the battery life indicator on the main screen. If necessary, replace the battery. Check to make sure that the hose is			Check the patient.
occurred during the measurement, it may also happen. Excessive exercise The monitor is receiving a sudden noise or operation. Measuring time is too long Battery is too low Airflow Air can not pass The monitor is receiving a sudden noise or operation. The monitor couldn't detect strong and continuous signals from pets for a long time. See the battery life indicator on the main screen. If necessary, replace the battery. Check if the correct size cuff is used. Check to make sure if the cuff is tightly attached to the pet and is properly placed. Check if the cuff is in the correct position. Check if the pet is moving or shaking. See the battery life indicator on the main screen. If necessary, replace the battery. Check to make sure that the hose is			
Excessive exercise The monitor is receiving a sudden noise or operation. Measuring time is too long Battery is too low Airflow Air can not pass The monitor is receiving a sudden noise or operation. Check the animal mode. It may be set incorrectly. Check the pet is trembling or has an excessive activity. Check if the cuff is in the correct position. Check to make sure if the cuff is tightly attached to the pet and is properly placed. Check if the cuff is in the correct position. Check to make sure if the cuff is tightly attached to the pet and is properly placed. Check if the pet is moving or shaking. See the battery life indicator on the main screen. If necessary, replace the battery. Check to make sure that the hose is		occurred during the	
Excessive exercise The monitor is receiving a sudden noise or operation. Measuring time is too long Battery is too low Airflow Air can not pass The monitor is receiving a sudden noise or operation. Check the animal mode. It may be set incorrectly. Check if the pet is trembling or has an excessive activity. Check if the cuff is in the correct position. Check to make sure if the cuff is tightly attached to the pet and is properly placed. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the pet is moving or shaking. See the battery life indicator on the main screen. If necessary, replace the battery. Check to make sure that the hose is			Check if the correct size cuff is
Excessive exercise The monitor is receiving a sudden noise or operation. Measuring time is too long Battery is too low Airflow Air can not pass The monitor is receiving a sudden noise or operation. Check the animal mode. It may be set incorrectly. Check if the pet is trembling or has an excessive activity. Check if the cuff is in the correct position. Check to make sure if the cuff is tightly attached to the pet and is properly placed. Check if the cuff is in the correct position. Check if the cuff is in the correct position. Check if the pet is moving or shaking. See the battery life indicator on the main screen. If necessary, replace the battery. Check to make sure that the hose is		it may also happen.	used.
exercise receiving a sudden noise or operation. Check if the pet is trembling or has an excessive activity. Check if the cuff is in the correct position. Check if the correct size cuff is used. Check to make sure if the cuff is tightly attached to the pet and is properly placed. Check if the cuff is in the correct position. Check if the cuff is tightly attached to the pet and is properly placed. Check if the cuff is in the correct position. Check if the pet is moving or shaking. Battery is too low Airflow Air can not pass See the battery life indicator on the main screen. If necessary, replace the battery. Check to make sure that the hose is	Excessive		Check the animal mode. It may be
noise or operation. Check if the pet is trembling or has an excessive activity. Check if the cuff is in the correct position. Check if the correct size cuff is used. The monitor couldn't detect strong and continuous signals from pets for a long time. Check if the cuff is tightly attached to the pet and is properly placed. Check if the cuff is in the correct position. Check if the pet is moving or shaking. See the battery life indicator on the main screen. If necessary, replace the battery. Check to make sure if the cuff is tightly attached to the pet and is properly placed. Check if the pet is moving or shaking. See the battery life indicator on the main screen. If necessary, replace the battery. Check to make sure that the hose is	exercise	receiving a sudden	
measuring time is too long Battery is too low Airflow Air can not pass an excessive activity. Check if the cuff is in the correct position. Check if the correct size cuff is used. Check to make sure if the cuff is tightly attached to the pet and is properly placed. Check if the cuff is in the correct position. Check if the pet is moving or shaking. See the battery life indicator on the main screen. If necessary, replace the battery. Check if the cuff is in the correct position. Check if the pet is moving or shaking. See the battery life indicator on the main screen. If necessary, replace the battery. Check to make sure that the hose is			
Check if the cuff is in the correct position. Check if the correct size cuff is used. Measuring time is too long In the monitor couldn't detect strong and continuous signals from pets for a long time. Battery is too low Air can not pass Check if the cuff is in the cuff is tightly attached to the pet and is properly placed. Check if the cuff is in the correct position. Check if the pet is moving or shaking. See the battery life indicator on the main screen. If necessary, replace the battery. Check to make sure if the cuff is in the cuff is tightly attached to the pet and is properly placed. Check if the cuff is in the correct position. Check if the pet is moving or shaking. See the battery life indicator on the main screen. If necessary, replace the battery. Check to make sure that the hose is		·	
Measuring time is too long Battery is too low Airflow Air can not pass Check if the correct size cuff is used. Check to make sure if the cuff is tightly attached to the pet and is properly placed. Check if the cuff is tightly attached to the pet and is properly placed. Check if the cuff is in the correct position. Check if the pet is moving or shaking. See the battery life indicator on the main screen. If necessary, replace the battery. Check to make sure if the cuff is tightly attached to the pet and is properly placed. Check if the cuff is in the correct position. Check if the pet is moving or shaking. See the battery life indicator on the main screen. If necessary, replace the battery.			
Measuring time is too long Battery is too low Airflow Measuring time is too long Measuring time is too long The monitor couldn't detect strong and continuous signals from pets for a long time. Check to make sure if the cuff is tightly attached to the pet and is properly placed. Check if the cuff is in the correct position. Check if the pet is moving or shaking. See the battery life indicator on the main screen. If necessary, replace the battery. Check to make sure if the cuff is			position.
Measuring time is too long The monitor couldn't detect strong and continuous signals from pets for a long time. Battery is too low Airflow The monitor couldn't detect to make sure if the cuff is tightly attached to the pet and is properly placed. Check if the cuff is in the correct position. Check if the pet is moving or shaking. See the battery life indicator on the main screen. If necessary, replace the battery. Check to make sure if the cuff is tightly attached to the pet and is properly placed. Check if the cuff is tightly attached to the pet and is properly placed. Check if the cuff is in the correct position. Check if the pet is moving or shaking. See the battery life indicator on the main screen. If necessary, replace the battery. Check to make sure that the hose is			Check if the correct size cuff is
time is too long detect strong and continuous signals from pets for a long time. below detect strong and continuous signals from pets for a long time. tightly attached to the pet and is properly placed. Check if the cuff is in the correct position. Check if the pet is moving or shaking. See the battery life indicator on the main screen. If necessary, replace the battery. Check to make sure that the hose is			used.
time is too long detect strong and continuous signals from pets for a long time. below detect strong and continuous signals from pets for a long time. tightly attached to the pet and is properly placed. Check if the cuff is in the correct position. Check if the pet is moving or shaking. See the battery life indicator on the main screen. If necessary, replace the battery. Check to make sure that the hose is	Magazzina	The monitor couldn't	Check to make sure if the cuff is
continuous signals from pets for a long time. Check if the cuff is in the correct position. Check if the pet is moving or shaking. Battery is too low Low battery power low Air can not pass Continuous signals properly placed. Check if the pet is moving or shaking. See the battery life indicator on the main screen. If necessary, replace the battery. Check to make sure that the hose is		detect strong and	
from pets for a long time. Check if the cuff is in the correct position. Check if the pet is moving or shaking. Battery is too low Low battery power low Air can not pass Check if the cuff is in the correct position. Check if the pet is moving or shaking. See the battery life indicator on the main screen. If necessary, replace the battery. Check to make sure that the hose is		continuous signals	
time. position. Check if the pet is moving or shaking. Battery is too low Low battery power low Air can not pass position. Check if the pet is moving or shaking. See the battery life indicator on the main screen. If necessary, replace the battery. Check to make sure that the hose is	iong		
Battery is too low Battery is too Air can not pass Shaking. See the battery life indicator on the main screen. If necessary, replace the battery. Check to make sure that the hose is			position.
Battery is too low Battery is too Air can not pass Shaking. See the battery life indicator on the main screen. If necessary, replace the battery. Check to make sure that the hose is			Check if the pet is moving or
main screen. If necessary, replace the battery. Airflow Air can not pass Check to make sure that the hose is			
main screen. If necessary, replace the battery. Airflow Air can not pass Check to make sure that the hose is	Batteny is too	Low battery power	See the battery life indicator on the
Airflow Air can not pass Check to make sure that the hose is	,		1
Airflow Air can not pass Check to make sure that the hose is	IOW		If necessary, replace the battery.
	Airflow	Air can not pass	
	VIIIOM	through the hose or	not bent and not squeezed.

blocked	cuff	Check if the pet is lying or stepping on the cuff. Check if the cuff is in the correct position.
Wrong cuff pressure	The cuff pressure temporarily exceeds 300 mmHg due to pet movement, air blockage, or use of a small cuff.	Make sure the appropriate cuff is used. Check to make sure that the hose is not bent and not squeezed. Check if the pet is lying or stepping on the cuff. Make sure the pet is not overly active.
BP Monitor not ready	The BP monitor is preparing for the next measurement or may need maintenance.	Press the START/STOP key to start a new measurement. If repeated errors occur, calibration or maintenance may be required.
System error	Hardware problems or abnormal cuff pressure when it's turned on.	Disconnect the cuff from the device and restart. If it can not be solved, it needs maintenance.

6.2 Physiological alarm

Physiological alarm occurs when the measured value reaches or exceeds the high or low limit set by this parameter. When physical alarm occurs, there will be a red warning LED indicator and intermittent beep sound.

7. Technical information

7.1 Product model

Model Model Description

PetPro Single blood pressure

7.2 Performance indicators

Blood pressure performance

Method of Schematic method

measurement

Blood pressure SYS: 40–270mmHg

range:

DIA: 20-230 mmHg

MEAN: 10-200mmHg

Pulse rate range: BPM 40-240

Cuff accuracy: (0 mmHg -300mmHg)±3 mmHg

Other

Note: if the machine is used or stored outside the specified temperature and humidity range, its performance will be affected.

Conditions of use: 0°C to 50°C ,15% to 90% humidity, no condensation Storage conditions: -20°C to 65°C ,15% to 90% humidity, no condensation Altitude: Measurement accuracy is not affected by altitude

Power: Lithium ion batteries and/or AC adapters

Input voltage range: Universal (100 to 240 V AC)
Input frequency General purpose (50-60 Hz)

range:

Adapter output: DC: 9 V-2A

Lithium batteries: 7.4 V,2.6Ah ,19.24Wh
Size: 15.9 cm x 12.7cm x 13.3cm

Weight: 0.95 Kg with battery

8. Frequently asked questions

How many measurements can be stored in memory?

SPOT mode, each ID number can store 200 measurement data. When the 201th measurement is carried out, the monitor automatically covers the first measurement. When the creation ID is full, the user needs to manually delete the previous ID number to create a new ID number.

Monitor mode, up to 1000 measurements can be stored. The monitor has a loop memory. In the 1001 measurement, the monitor automatically covers the first measurement.

For medium-sized dogs, which animal model should I choose?

Judge according to the size of the cuff used. If the most suitable cuff used is #3 or smaller, select small animal mode. Select large animal mode if the most suitable cuff is #4 cuff or larger cuff.

How to choose the correct cuff size?

Wrap the cuff around the pet's limbs to ensure that the scale is within the marked range. If there are two different cuff sizes that match the pet, choose a larger size.

How long can the battery last?

When continuously monitoring blood pressure, the measurement interval is set to 5 minutes, and the fully charged battery should continue to work for at least 4 hours before charging. If only manual BP measurements are performed, a fully charged battery should continue to perform at least 150 BP measurements before recharging. It takes more than 6 hours to fully charge the battery. The battery life depends to a large extent on how long the touch screen is displayed as "on". In order to extend the life of the battery as much as possible, it is recommended to turn on the automatic shutdown.

Can this monitor be used in awake and anaesthetic animals?

Yes.PetPro Blood Pressure Monitor can be used in anesthetized and awake animals.

How to prevent the cuff from sliding down or falling off?

Tie the cuff as tightly as possible. Special attention must be paid to the density or thickness of species fur. If the cuff is not fastened, check the fur magic stick and, if possible, tear off the magic stick.

Any other power options?

Yes. The device is equipped with a main power supply, connected to the built-in battery charge. When the device is not connected to the power supply, the battery allows the device to be portable for use.

How much is the minimum and maximum weight of cats and dogs

Min 1kgs to Max 200kgs.

When to use PetPro monitors for blood pressure measurements?

There are no restrictions. Any cat or dog with a suitable cuff range limb is applicable.

Warranty time

1 year Warranty for the main unit, 3 months for the blood pressure hose.



TOOTOO MEDITECH CO., LTD.

Address: RM 607, HAIHANG CITY BUSINESS CENTER,

LONGGANG, SHENZHEN, CHINA.

Tel: +86-755-28306385 Email:info@newtootoo.com