# Intelligent Non-Invasive Blood Pressure Meter for Large Animals BP-2010E

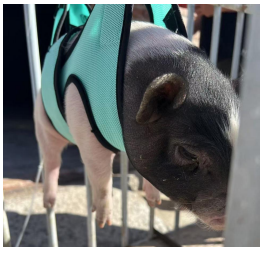
The BP-2010E Intelligent Non-Invasive Blood Pressure meter for Large Animals uses the oscillometric method and a high-precision pressure sensor to monitor pulse wave changes, enabling non-invasive blood pressure measurement. It accurately measures systolic pressure (SBP), mean arterial pressure (MBP), diastolic pressure (DBP), and heart rate (HR), and is suitable for experimental animals such as dogs, monkeys, pigs, rabbits, sheep, and guinea pigs.


The BP-2010E features an independent operation mode, with an integrated LCD display and SD card storage, allowing for measurements and data storage without a computer connection. It also supports USB connectivity for computer control, data management, and analysis, meeting the needs of pharmaceutical research, pharmacological and toxicological studies, and safety assessments.

## High-Precision Measurement, Suitable for Various Large Animals

- Utilizes the oscillometric method, combined with high-sensitivity pressure sensing technology to precisely capture pulse wave changes.
- Suitable for various experimental animals (dogs, monkeys, pigs, rabbits, sheep, guinea pigs, etc.), meeting the measurement needs of animals of different sizes.
- Offers a range of cuff sizes to ensure measurement accuracy and compatibility.



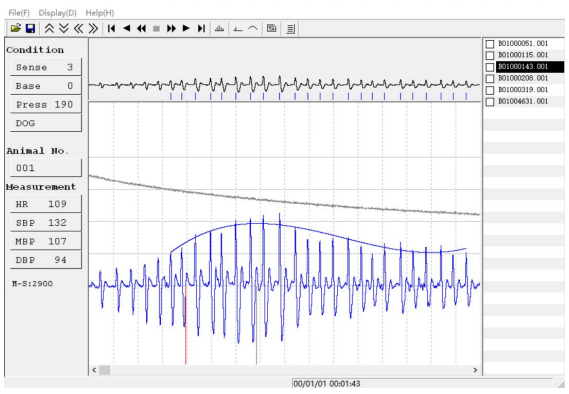
## Easy Operation, Automated Measurement

- Independent operation of the main unit with a 4.3-inch LCD display, allowing direct viewing of measurement data without the need for an external computer.
- One-touch automatic inflation measurement, with results available within 10-15 seconds after inflation. Data is automatically stored after measurement completion.
- Supports multiple measurements and calculates averages to ensure data stability and reliability.

## Multi-Mode Data Management to Meet Experimental Needs

- By connecting to a computer via USB, the blood pressure waveform can be viewed in real-time on the software interface, with options for data storage, editing, and analysis.
- SD card storage: supports offline operation, allowing direct data viewing on the device.
- Data traceability: Measurement data includes an MD5 fingerprint code when printed, complying with GLP standards to ensure data traceability and experimental integrity.

## Intelligent Software System for Enhanced Experiment Efficiency




- Automatically detects pulse wave stability to ensure accurate measurement data.
- Allows for the input of animal ID, weight, gender, and age, enabling systematic management of experimental data.
- Data can be batch-exported in Excel or image format for further analysis and report generation.
- Timed measurement function: Set measurement schedules for automatic inflation and measurement at predetermined times, ideal for intraoperative blood pressure measurement.

## Multiple Measurement Modes for Increased Flexibility

- Computer-based operation mode: Connects to a computer via USB to collect and analyze data in real-time, with options for data editing and report export.
- Independent operation mode: No need for a computer, with measurement data directly saved to the SD card, suitable for specialized experimental environments.

## Specifications

| Parameter | Specification |
|---|---|
| Detection Method | Oscillometric Method |
| Sensor Type | Pressure Sensor |
| Measured Parameters | HR, SBP, MBP, DBP |
| Blood Pressure Range | Up to 350 mmHg |
| Heart Rate Range | Up to 600 BPM |
| Communication Method | USB |
| Control Mode | Computer Operation / Standalone Operation |
| Data Storage | Computer Storage / SD Card Storage |

| | |
|---|---|
| Power Supply | AC 110-220V |
| Device Dimensions | 236(W) × 236(D) × 80(H) mm |

## Cuff Model

| | **Applicable Circumference Range(mm)** |
|---|---|
| Cuff NO.10 | 35 - 60 |
| Cuff NO.11 | 50 - 75 |
| Cuff NO.12 | 75 - 105 |
| Cuff NO.13 | 85 - 130 |
| Cuff 1 | 11.7 - 18.3 |
| Cuff 2 | 17.7 - 23.6 |
| Cuff 3 | 23.6 - 31.4 |
| Cuff 4 | 27.5 - 36.6 |
| Cuff 5 | 31.4 - 41.9 |
| Cuff 6 | 35.3 - 47.1 |