

# Model MK - 1030

## LOW-COST & PORTABLE

### NIBP MONITOR FOR RATS & MICE

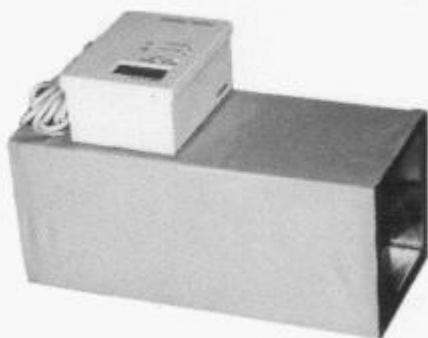


#### Main Features

1. It measures photoplethysmographically pulsatile blood pressure of tail arteries.
2. The items measured are Heart Rate (HR), Systolic Blood Pressure (SBP), Mean Blood Pressure (MBP) and Diastolic Blood Pressure (DBP, calculated values). They are displayed on LCD.
3. Heart rate (HR) is determined by converting the time to count 10 pulses.
4. SBP is initially estimated roughly by inflating the cuff at approximately 25 mmHg/sec. During cuff deflation at about 5 mmHg/sec, SBP is determined precisely. SBP is determined as the cuff pressure when pulse reappears.
5. Cuff pressure can be elevated up to 400 mmHg so that even SHRSP can be measured.
6. Continuous measurement can be performed up to six (6) times.
7. The animal holder is made of dark brown acryl, allowing BP measurement under relatively stress-free conditions.
8. PMB-1030 Preheat & Measuring Box is included in the standard system.
9. The RS-232C interface is provided on the rear panel. Using the optional DCS-1030 Data Collection Software (Windows Version) the data obtained can be exported to a personal computer and stored as a CSV file.
10. The apparatus is so compact (A4 size) that the user may carry it from room to room.
11. Operation is very simple

## SPECIFICATIONS

Main Unit MK-1030	
Power	AC100-120V 50/60Hz
Dimensions	320W x 250D x 80 mmH
Weight	Approx. 5 kg

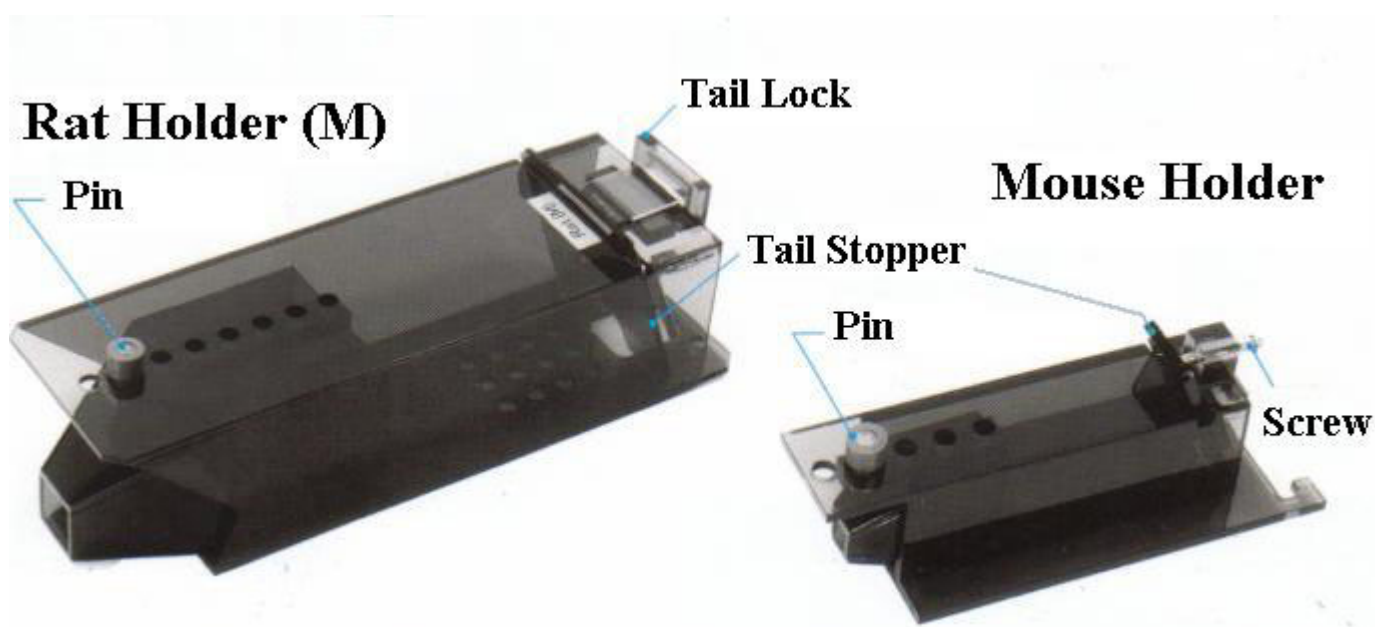
PMB-1030 Preheat & Measuring Box (Standard Accessory)		
	Heating Method	Electric Heater
	Material	Internal: SS External: PCV
	Sensor	Thermistor
	Display	LCD
	Dimensions	100W x 230D x 150 mm H
	Weight	1.3 kg

The Standard System Includes:	
Main Unit (MK-1030)	1
PMB-1030 Preheat & Measuring Box	1
Animal Holder (any one from the list)	1
Cuff-Pulse Sensor (any one from the list)	1

Optional Extras
DCS-1030 Data Collection Software (Windows Version)
Printer

Animal Holders		
Rat Holder	(SS)	50-90g
Rat Holder	(S)	90-150g
Rat Holder	(SM)	150-210g
Rat Holder	(M)	210-270g
Rat Holder	(ML)	270-350g
Rat Holder	(L)	350-500g
Rat Holder	(LL)	500-800g
Mouse Holder	(S)	20-30g
Mouse Holder	(M)	30-40g
Mouse Holder	(L)	40-50g

Cuff-Pulse Sensors	
Rat (S)	50-150g
Rat (M)	150-270g
Rat (L)	270-500g
Mouse	20-50g



The MK-2000ST, the state-of-the-art NP-NIBP Monitor which does not require preheating animals is also available.

Specifications are subject to change without notice.