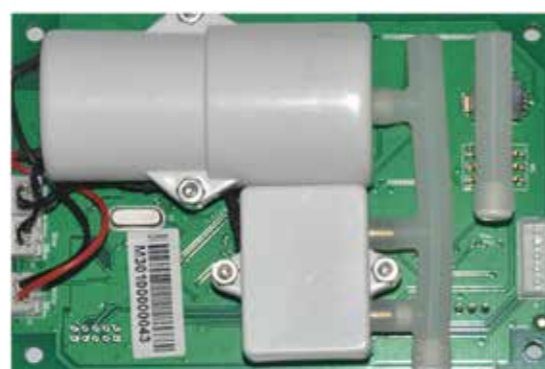


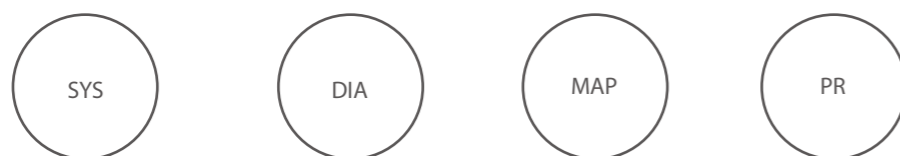
# Non-Invasive Blood Pressure Module

## MNIBP

MNIBP is used to measure related parameters such as systolic blood pressure, diastolic blood pressure, average blood pressure and pulse rate.



Dimension : 105 mm x 72 mm x 31 mm



### Features

- > With the monitoring function of parameters such as systolic blood pressure, mean blood pressure, diastolic blood pressure and pulse rate
- > Three measurement modes: manual, automatic and continuous
- > Three patient measurement modes: adult, child, and newborn
- > Real-time transmission of module working status, including hardware status, software status and sensor status
- > Adopting a unique algorithm, with the ability to resist motion interference and weak signal measurement
- > Pressure calibration function: continuously provide cuff pressure value to calibrate pressure accuracy
- > It has the function of gas leakage detection to detect whether the gas path is leaking
- > With double overvoltage protection (hardware overvoltage protection and software overvoltage protection)
- > Double timeout protection (module timeout protection, provide timing trigger port of upper computer)

### Specifications

SYS	DIA
Range: adult: 40~270bpm Child: 40~200bpm Newborn: 40~130bpm	Range: adult: 20~210bpm Child: 10~162bpm Newborn: 10~90bpm
Accuracy: Average deviation <math>< \pm 5 \text{mmHg}</math> Standard deviation <math>< \pm 8 \text{mmHg}</math>	Accuracy: Average deviation <math>< \pm 5 \text{mmHg}</math> Standard deviation <math>< \pm 8 \text{mmHg}</math>

MAP	PR
Range: adult: 15~300bpm Child: 20~175bpm Newborn: 20~100bpm	Range: adult: 30~240bpm Child: 30~240bpm Newborn: 40~240bpm
Accuracy: Average deviation <math>< \pm 5 \text{mmHg}</math> Standard deviation <math>< \pm 8 \text{mmHg}</math>	Accuracy: $\pm 2 \text{bpm}$ Resolution: 1bpm

Cuff Pressure
Range: 0~300mmHg
Accuracy: $\pm 2 \text{mmHg}$ or $\pm 1\%$ of reading (whichever is greater)
Resolution: 1mmHg

### Electrical Specifications

Power supply	DC 12 V $\pm 5\%$
Power consumption	$\leq 5 \text{W}$
Communication	TTL, USART
Temperature	Operating 10°C ~ 40°C (50°F ~ 104°F)    Storage -20°C ~ 70°C (4°F ~ 158°F)