

DMP-3000

3-D Blood Pressure Pulse Analyzer

Technique Possession

- Array sensor package technique for blood pulse measurement
- Complex sensor package technique for vital signal detect
- Robot hand development technique for pulse diagnosis
- Multi channel vital signal processing technique
- Design clinical test protocol and experiment, analysis technique
- Cardiac health diagnosis technique using by blood pulse analysis
- Low power consumption circuit design technique for individual health monitoring
- RF, USN technique for ubiquitous healthcare
- Radiation detector developing technique for medical area

| Specification | | |
|---------------------|------------------|---|
| Category, Class | | Blood Pressure Pulse Analyzer, Class II-a |
| Power | | AC110 ~220V |
| Range | Pulse Beat | 40 ~ 200bpm |
| | Pressure | 0 ~ 500g (0 ~ 385mmHg) |
| Channel | Pulse | 5 |
| | Applied Pressure | 5 |
| Accuracy | | ±5% |
| Communication | | USB |
| Measuring Robot | | 3 axis |
| Measuring Principle | | Tonometry Method |
| Size(mm) | | 400 X 250 X450 |
| Weight | | 15Kg |

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CE 0123



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DAEYOMEDI Co., Ltd.

DAEYOMEDI Co., Ltd. is a company developing professional medical device and we are concentrating our efforts to diagnosis cardiac health and oriental medicine pulse diagnosis by using 3-dimensional blood pulse measuring and analysis technology. Vision of DAEYOMEDI Co., Ltd. is Worldwide leader of medical service company with respect to human life through technology and confidence.

Product Features

- The world first 3-dimensional blood pulse detector and analyzer
- Diagnosis blood vessels through blood pulse waveform analyzing
- Pulse diagnosis in Oriental Medicine (TCM) through pulse shape classification
- Obtain Undistorted waveform by using pressure sensor
- Credible repeatability and reproducibility by using precision robot control
- Detect waveform deformation by change applied pressure
- Easy interface through Full-auto Mode
- Desk top model fit to a small space
- Axis of robot has folding system for portability
- Returning to initial position for patient safety

Main Function

- **Pulse Shape analysis & Pulse diagnosis**
Measure and analyze principle pulses in traditional medicine
- **Blood pressure pulse analysis**
Waveform analysis for diagnosis circulation in body, aging of blood vessel, arteriosclerosis and hypertension



T R A D I T I O N A L T O H I G H - T E C H N O L O G Y

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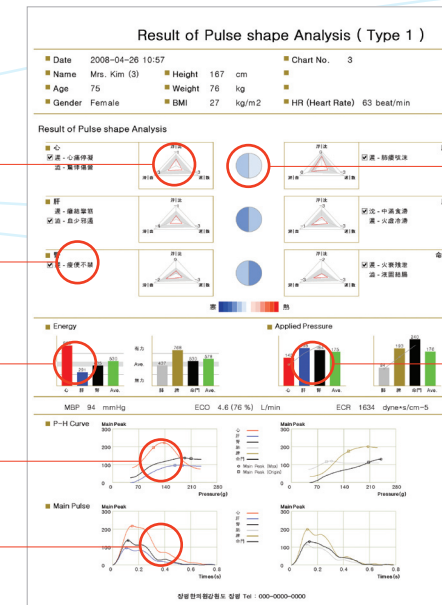
Confirm 6 major pulse shape at once

Marker for irregular pulse shape mark the pulse that has most differ from standard

3-D pulse volume for each measurement position

Graph of progressive pulse variation by applied pressure

Comparing graph of representative pulse waveform of each measurement position



Color index of Yin/Yang energy distribution

Graph of applied pressure at representative pulse waveform detected

