

DYNAPULSE® 5000A MINI

Ambulatory Blood Pressure and Waveform Recording System

The ABPM Standard. The DP5000A Mini is a complete 24-hour ambulatory blood pressure monitoring system. Designed with comfort and portability in mind, the DP5000A performs with clinical accuracy and features the innovative Pulse Dynamics methodology.

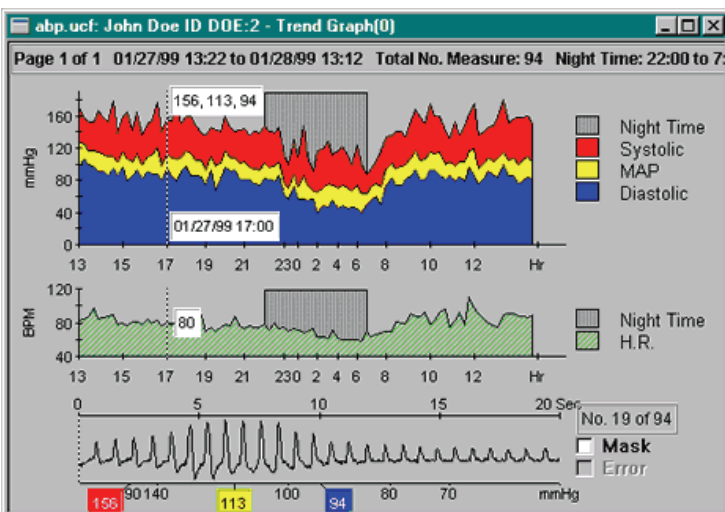
The DP5000A Mini determines systolic, diastolic and mean arterial pressures, and heart rate and records pulse waveform during the entire course of each blood pressure measurement. This method allows physicians to review the events and to filter out bad blood pressure data caused by either irregular heartbeat or arm movement artifact. This unique and patented Pulse Dynamics method provides physicians confidence in the recorded 24-hour ambulatory blood pressure measurements for diagnosing patient's white-coat and essential hypertension.

Cost-effective in so many ways. Ideal for monitoring and diagnosing white-coat hypertension, the DP5000A Mini can provide even greater cost-savings through ABPM reimbursement now available nationwide. (Reimbursement and code details available online at www.dynapulse.com.)

Robust, easy-to-use software. Designed for Windows OS, the software performs 24-hour blood pressure day/night trending, statistical and load analysis (with physician defined BP thresholds). The software enables quick downloading (via an USB connection) and secure storing of patient ABP data, and is compatible with all Windows-supported printers. There are no PC or site limitations, and supports multiple DP5000A Mini monitors and stores data for an unlimited number of patients.

Listed below are two examples of the many statistical reports generated by the DP5000A Mini:

Trend Graph: A complete visual analysis of key blood pressure measurements ensures accurate data management.

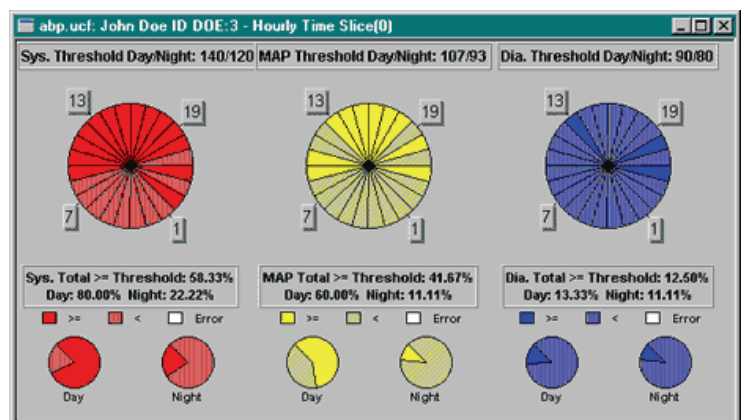


Key Advantages

- Validated against both K-sound and invasive measurements
- Compact size ensures greater patient compliance
- Simple and powerful patient data management, storage and retrieval capabilities
- Viable tool for medication titration and management of patients undergoing hypertension drug treatments

Key Features

- Comprehensive, user-friendly software
- Trend/statistical analysis (with mask feature)
- Individual pulse waveform measurement validation/analysis
- Easily print records and graphs
- Comment input for each measurement
- On-demand hemodynamic profiling capabilities (optional)



Hourly Time Slice Graph: The color-coded charts identify hours above and below user-defined BP thresholds.

DynaPulse® 5000A Mini Specifications

Measurement Method	Pulse Dynamic Oscillometric
Measurement Range	SBP 60 – 240 mmHg DBP 30 - 200 mmHg MAP 40 - 240 mmHg HR 20 - 200 BPM
Accuracy	±5 mmHg vs. auscultatory method per ANSI/AMMI standards Transducer ±1%
Inflation Method	Micro-rolling pump
Deflation Method	Adjustable mechanical needle valve for cuff deflation Electromagnetic safety valve
Interface	Serial communication port
Default Inflation Pressure	160 mmHg
24-Hour Ambulatory Mode Measurement Intervals	5, 10, 15, 20, 30, 60, 120 minutes Daytime & nighttime intervals are set separately
Automatic Mode Presets No. of Measurements Intervals Between Measurements	2, 3, 5, 10, 20, 50, 100 2, 3, 5, 10, 15, 20, 30, 60, 120 min.
Measurement Storage	Up to 100 measurements including pressure waveform data
System Power	6V DC w/4 AA standard batteries Low battery warning on LCD display
Display	LCD 14 mm x 42 mm 2 x 16 Characters On/Off option (for Auto Mode)
Memory Power	Lithium backup battery for data storage Low battery warning on LCD display
Power Consumption	380 - 500 mA during pumping 10 - 15 mA when idle
Over-Inflation Protection	2 hardware & 2 software controls
Sound Level	40 - 50 dB (A) at 24 in (60 cm) distance
Operating Temperature	5 - 40°C (41 -104°F)
Dimensions	W - 3.4" (86 mm) D - 5.1" (130 mm) H - 1.6" (41 mm)
Weight	13 oz (369 g) with batteries 10 oz (284 g) without batteries

Online hemodynamic profiling at the point-of-care enhances the patient care experience.

The power of Dynapulse grows exponentially when you take advantage of the proprietary online service, the DynaPulse Analysis Center (DAC). The service is available on-demand — just submit a patient's blood pressure measurement data stored on a PC to the DynaPulse Analysis Center via an internet connection.

In real time, our automated analysis system extracts up to 18 hemodynamic parameters from each waveform and relays the data digitally back to your PC. Clinicians can retrieve patients' hemodynamic profiles for immediate review and perform clinical evaluations on the spot. DynaPulse offers clinicians a cost-effective, real-time profile of a patient's hemodynamic status without the costs, time-constraints and risks associated with invasive methods.

For advanced hypertension and cardiovascular disease studies, DynaPulse offers researchers Pulse Dynamics Pulse-Wave-Analysis via the DynaPulse Analysis Center to obtain further hemodynamic information including arterial compliance, distensibility, resistance, cardiac output, contractility, etc. The only device on the market that records 24-hour circadian blood pressure and hemodynamic parameters simultaneously, the DP5000A Mini, combined with the technology of DAC, is a powerful research tool.

For more information on Pulse Dynamics technology and the proprietary DynaPulse Analysis Center (DAC) online service, please visit www.dynapulse.com.

Measurements Taken

For researchers, data collected by DynaPulse monitors may be transmitted to the DynaPulse Analysis Center for analysis of up to 18 hemodynamic parameters including:

- Brachial Arterial Compliance and Distensibility
- Systemic Vascular Resistance and Compliance
- Cardiac Output and Index
- LV Contractility and (dP/dt) Max
- Stroke Volume and Index

System Components

- DP5000A Mini Monitor Unit
- DP5000A Mini Analysis Software
- DP5000A Mini User's Guide
- Three (3) arm cuffs (standard, large and small sized cuffs)
- USB Connection Cable
- Carrying Pouch with Cuff Support Strap
- Monitor Unit Storage Case
- One Year Manufacturer's Limited Warranty

