

# CardioSoft™ Ambulatory Blood Pressure

A broader perspective on cardiac patient management

Ambulatory blood pressure (ABP) readings over time provide critical data. Only an ABP device that is simple to set-up, comfortable to wear, and quick to report will help support high patient compliance and accurate diagnosis.



## TONOPORT™ VI meets every requirement

**Simple, flexible programming.** The TONOPORT VI APB module is simple to set up and program to ensure accurate, validated<sup>2</sup> ABP readings and analysis. BP readings can be set to exact intervals or captured randomly, with day and night programming options.

**High-comfort cuff.** Monitoring is quiet, comfortable and quick with TONOPORT VI. The innovative inflation measurement method, lightweight design, and low-noise pump enhance patient comfort – helping to increase acceptance of extended monitoring.

- 50% faster inflation with lower maximum pressure
- Quiet pump operation at 40dB – equivalent to a hushed library<sup>3</sup>

**Quick-view trend summaries and reporting.** Recorded data is easily downloaded and reported via the CardioSoft Cardiac Testing System. The physician sees a comprehensive data set, including up to 72-hour blood pressure trends, averages and statistics for day and night summaries, presented in text and graphics. Reports can be easily exported to EMRs, PACS and MUSE™ systems.

**Simple. Comfortable. Quick.**

High blood pressure is a major risk factor for

## CORONARY HEART DISEASE

as well as **ischemic and hemorrhagic stroke**



Worldwide, **hypertension** is estimated to cause

# 7.5 MILLION DEATHS<sup>1</sup>



## Computer specifications

Microprocessor	Minimum Pentium® 4 class processor with 2 GHz
RAM	Minimum 2 GB
Hard drive	Minimum 80 GB and 4 GB of free space if used as a standalone system
SW installation	DVD-ROM drive or USB
Pointer	Mouse
Display resolution	Minimum: 1280 x 768 Maximum: 3840 x 2160
Interfaces	Minimum: 2 USB ports (1.1, 2.0, or 3.0) for each device using this type of interface, CD-RW, SD card, network interface card (recommended), Serial RS232 for each device using this interface type
Operating system	Windows® 10 Enterprise (64 bit) Windows 10 Professional (64 bit) Windows 8.1 Enterprise (64 bit) Windows 8.1 Pro (64 bit) Windows 7 Professional (64 bit) with SP1
Printer	Equivalent to HP® P3015dn (Customer Supplied)
Additional software for export functionality	Microsoft® Word and Excel® (optional, Customer Supplied)
Networking LAN	Wired and Wireless: 802.11 G (optional) TCP/IP interface

Acquisition period	Up to 400 measurements or 3 days
Interfaces	USB (1.1 or 2.0), RS 232 (9.600Bd / 8N1)
Battery	2 AA size rechargeable NiMH batteries, 1.2 V, >1500 mAh or 2 AA size high-current capable alkaline batteries
Battery charge time	2 to 3 hours
Battery charger	Protection class II, IP20 Primary 100 to 240 VAC 50/60 Hz, 0.5 A
Maximum cuff pressure	300 mmHg
Measurement Method	Oscillometric, selectable measurement method: deflation measurement method or inflation measurement method
Audible signal	Configurable audio beep before every measurement
Inflation noise	40 dB
Dimensions and weight of recorder	Height: 27 mm Width: 73 mm Depth: 108 mm Weight: <190 g, including batteries
Protection Class	IP22: TONOPORT VI in Wearable Pouch
Validations	BHS, ESH, ANSI/AAMI SP10, recommended by dabl Educational Trust

### Environmental

Operation	Temperature: 5 to 40° C Relative humidity: 15-93%, non-condensing Atmospheric pressure: 700-1060 hPa altitude (relative to sea level) -400 to 2800 meters
Transport and storage	Temperature: -25 to 70° C Relative humidity: 10-93%, non-condensing Atmospheric pressure: 500-1060 hPa altitude (relative to sea level) -400 to 4500 meters

## Ambulatory BP Specification

Measuring range	Systolic pressure: 60–260 mmHg (8.0–34.6 kPa) Diastolic pressure: 40–220 mmHg (5.3–29.3 kPa) Mean pressure: 50–250 mmHg (6.7–33.3 kPa) Heart rate (HR): 35–240 beats per minute
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<sup>1</sup> Raised blood pressure. Global Health Observatory data. World Health Organization. [http://www.who.int/gho/ncd/risk\\_factors/blood\\_pressure\\_prevalence\\_text/en/](http://www.who.int/gho/ncd/risk_factors/blood_pressure_prevalence_text/en/)

<sup>2</sup> TONOPORT VI ABP device has BIHS, ESH, ANSI/AAMI SP10 validation

<sup>3</sup> Noise sources and their effects. Purdue University Chemistry Department. <https://www.chem.purdue.edu/chemsafety/Training/PPETrain/dblevels.htm>

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