

SONARA

Portable Transcranial Doppler System

Specifications



General Specifications

Mains Power 100-240 VAC, 50/60 Hz
Size 26 x 39 x 30 cm
Weight 12 kg
Probe Connections 2, 4, 8 MHz CW/PW

Display

15" Color LCD
Resolution 1024 x 768
Touch Screen User Interface Standard

Computer

Processor Celeron® M 1.3 GHz or higher
Hard Drive 160 GB or higher
Memory (RAM) 256 MB or higher
Operating System Microsoft® Windows® XP Professional
Stereo Speakers
1 USB Port
1 LAN/Ethernet Connector

Custom Cart (optional)

Height 41.5" (105.4 cm)
Width 21.7" (55.1 cm) Rear Caster (widest part)
Weight 87 lbs (~40 kg)

FFT Doppler Display

Depth Range (2 MHz) Up to 130 mm
Gain Control 11 Steps
Power Control Up to 100% of system limits for derated Ispta
PRF (2 MHz) Up to 16 KHz (depth dependent)
Zero Line Control 5% to 95% of screen
Sample Volume (2 MHz) 1-20 mm
Volume Control 11 steps plus mute
Sweep Time 4-120 seconds
Velocity Units cm/sec or KHz
Spectrum Colors Select from 8 color scales
Color Resolution 16 colors
Insonation Angle User defined

Standard Software Features

Diagnostic Software
Single Channel Monitoring (SONARA unilateral)
2 Channel Monitoring (SONARA bilateral)
Continuous Event Triggered Monitoring
Language Support English, Russian, German, Spanish, Korean, French, Japanese, Italian, Chinese
High Resolution M-mode 250 gates/probe
Multigate Display 4-8 spectral waveforms
Virtual Keyboard
User Defined Protocols
Trend Curves
On-line Help
Cursors 2 vertical, 2 horizontal

Software Options

Emboli Monitoring
Velocity Profile
CW Mode
Data Export Raw data, BMP, JPEG, MS Excel, PDF, Movie (AVI), Audio (WAV)
Specialty Test Set VMR, Breath Holding
Review Station

Standard Test Parameters

Mean Velocity
Peak Systolic Velocity
End Diastolic Velocity
Pulsatility Index
Resistance Index
Systolic to Diastolic Ratio
Heart Rate
Measurement Accuracy ± 10%

Review

Interactive Summary Screens Intracranial, Extracranial, others
Day to Day Trending
Statistics Package Graphs, bars, and pie display per patient database
Backup and Restore All database, by patient name, or by examination dates
Customized Printed Reports

Additional Options

Custom Trolley/Cart
3 Function Configurable Footswitch
USB Hub
Stereo Headphones
Monitoring Headgear
Isolation Transformer for Printer and monitor

Main Unit Peripherals

Wired Remote Control
Keyboard w/Trackball (optional)
USB 1 GB Drive for Data Archive
Probe Holder

Printer Options

Any Windows® XP compatible inkjet printer

Probe Options

2 MHz CW/PW handheld diagnostic probe
2 MHz CW/PW monitoring probe for headgear
4 MHz CW/PW handheld extracranial probe
8 MHz CW/PW handheld extracranial probe

Compliance/Regulatory Standards

Certified ISO 13485
UL 60601-1 Medical Electrical Equipment
CAN/CSA-C22.2 No.601.1-M90
IEC/EN 60601-1
IEC/EN 60601-1-2
EN 60601-2-37
93/42/EEC European Union Medical Device directive, as amended by 2007/47/EC (European Union Medical Device directive)

Specifications, design options and terms quoted are subject to change without notice

CareFusion
Middleton WI

carefusion.com

