

WAKI^e

Non-invasive measurement of intracranial blood velocities
Neurology department, operating room, intensive care unit



- Digital Doppler
- M-mode display
- Portable and rugged
- Clear and large display
- User-friendly
- Elegant and compact
- Cardiac output module in option

WAKI^e

WAKI^e is a premium class portable transcranial Doppler that offers advanced software as well for diagnostic as for monitoring applications.

WAKI^e is available in different configurations to fit your specific needs:

WAKI^e TCD : unilateral transcranial Doppler with diagnostic module

WAKI^e 1TC : unilateral transcranial Doppler with diagnostic & monitoring modules

WAKI^e 2TC : bilateral transcranial Doppler with diagnostic & monitoring modules



M-mode display

M-mode technology has significant advantages including reduction of time necessary to locate the transcranial window. It also allows an easier identification of blood vessels and reduced training time. M-mode provides a colour coded display of flow signal intensity and direction over the ultrasound beam. A flow toward the probe is represented by a red band as a flow away from the probe is represented by a blue band. Any depth can be selected on the M-mode to display the spectral data.

It makes TCD easier to use for clinicians particularly in the emergency situations at bedsides.

Portable and rugged

Thanks to its comfortable carrying handle, its convenient storage of the accessories and its all metal case, WAKI^e presents the perfect portable package designed for the harshest environments.

Clear display

The high resolution display is easily viewed from all angles. The large size of the screen allows exceptional viewing comfort for a portable device.

User friendly

The modern and intuitive remote control and the customized protocols allow an easy adjustment of the parameters, a quick configuration of the device and saving time.

With the user-oriented menus, the operator can easily input the patient data, label the vessels and write a conclusion on the examination report.

Full feature colour report

During the patient examination, snapshots of the waveforms with all the adjustment parameters and six calculated indices can be included in the examination report by just pressing a key. At any time, this report can be reviewed, printed out on a colour printer or stored.

Advanced monitoring module

Monitoring sessions can be recorded and saved. All waveforms, trends, event markers and indices are stored and available for future analysis.

Emboli detection

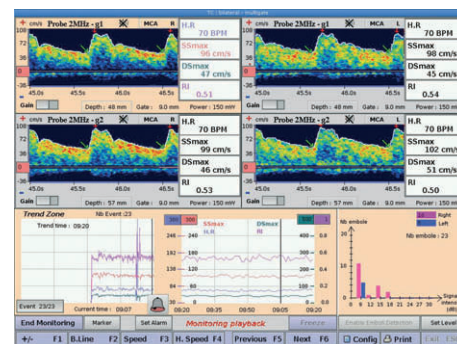
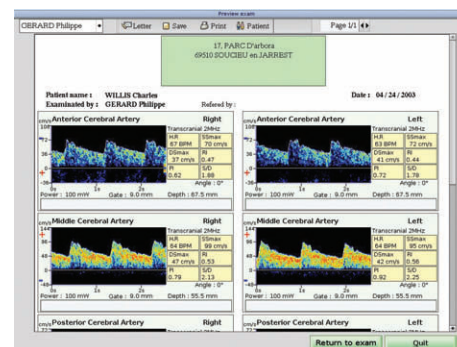
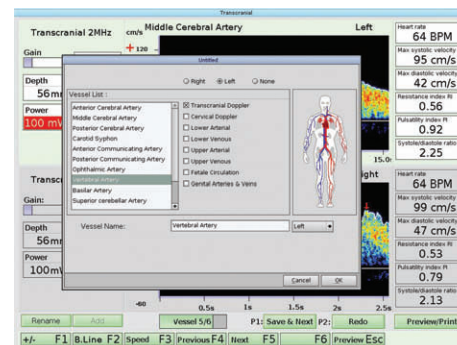
The emboli detection module takes advantage of the multigate technology for an optimized differentiating of emboli and artefacts.

Functional tests

Test sessions are proposed to assess cerebral auto regulation and reactivity.

Cardiac output

Atys transcranial Doppler are unique on the market: they can be fitted with a non-invasive cardiac output monitor. This feature is tremendously useful in ICU and OR. It allows to check the patient global hemodynamic with one device and to emphasize the correlations between cardiac output and brain perfusion.



- Doppler frequencies (MHz) : 2, 4, 8
- Optional frequencies (MHz) : 1, 16
- FFT spectral analysis
- Emboli detection
- Probe holder (headframe or headband)
- Display of six indices
- Trend management
- Scrolling memory
- Automatic report generator
- Examination protocol generator
- Monitoring session generator
- Examination data base
- Data base exploration function
- Archiving function
- Stereo loud speakers
- Fully featured remote control
- Alpha numeric keyboard
- Storage space for accessories
- 15" XGA display
- USB ports (memory stick)
- External colour printer (option)
- Hard disk
- Network connection
- Power supply: 110-240 V, 50-60 Hz

Subject to change without notice.



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