

Providing accurate and reliable complete neurosonology systems for diagnosis and monitoring of the cerebral circulation

Since 1982



Digi-**1**ne™

The number one portable Transcranial Doppler that follows you anywhere



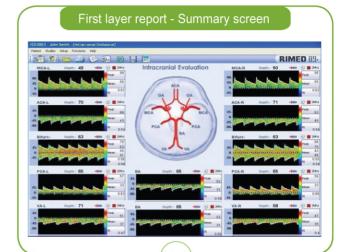
Digi- ne is a small, lightweight, portable uni-lateral digital transcranial Doppler (TCD) system with an advanced M-mode display, very high grade of innovation and a new modern ergonomic design which can be connected to any external windows based PC

Digi-**One** provides an easy to use and complete uni-lateral diagnostic solution for doctors in motion at their hospital departments, private clinics and offices

Digi- ne[™] measures the blood flow velocity in the main cerebral arteries non-invasively for circulation diagnosis and emboli detection using the well-known, well established and user friendly Rimed TCD software application

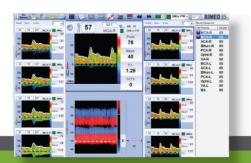
Digi-**O**ne™ Key Features & Benefits

- Most portable, small and lightweight, less than **One** Kg.
- Software is user friendly, intuitive and easy to operate.
- High resolution Doppler M-mode display enables to measure throughout all the depth range for the fastest detection and identification of blood vessels.
- Up to 8 different Doppler spectrum windows displayed simultaneously representing 8 different depths.
- Dedicated Silicon probe basket, can be removed and washed from remaining ultrasound gel.
- Offers an optional imaging probe for complete and accurate color flow imaging of the Carotid system.
- Advanced 2-layers reporting system:
 - 1. Editable Summary Screen enabling the comparison between the Doppler spectrums received from the right and the left sides of the brain.
 - 2. Final Patient Report, consisting of several modules, provides a detailed and customized comprehensive report for the referring physician.
- Very high Doppler sensitivity for pathologies detection.
- Dedicated and well established emboli detection software.
- Offers a complete range of probes including 2 MHz, 4 MHz, 8 MHz and 16 MHz probes, each with a separate connector.

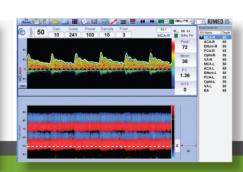




One combined report for both TCD & color flow imaging studies.



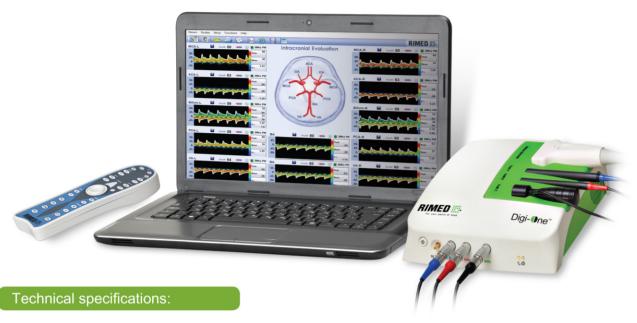




Clinical Applications

The Digi-One $^{\text{TM}}$ offers a complete array of transranial Doppler studies to address the following applications:

- Diagnosis of extracranial and intracranial stenosis and occlusion.
- Quick Brain death diagnosis & assesment.
- Detection and follow up of vasospasm following aneurismal subarachnoid hemorrhage.
- Screening children with sickle cell disease.
- Detection and counting of emboli.



Doppler	
True Digital Doppler with M-Mode	
M-Mode	starting from 64 gates per channel
Probes - All probes supported by M-mode	2 MHz (PW), 4 MHz (CW/PW), 8 MHz (CW/PW), 16 MHz (PW)
Optional Carotid color flow imaging module	(Digi-Lite™ IP) linear 5-10 MHz
Multi-gating	up to 8 spectral windows
No. of probe connectors	4
Full record & replay of Spectrum+Sound+M-Mode	
Display	
Depending on PC	
PC	
Operating system	Windows 7™ or higher
RAM	depending on PC
Hard disk	depending on PC
Connectivity	depending on PC
Reports 2-layer	
Can be exported as Excel, PDF, Word, RTF	
Interactive summary screen	
Final patient report	
Dedicated studies	
Main diagnostic software	
Intra-operative 16 MHz software	
Offline software	
Carotid imaging (Digi-Lite™ IP) software	
Regulatory	
Certified ISO 13485:2012	
CE 0473	
CE safety class II type BF. MDD class IIa. EN 60601-1, EN 60601-1-2	
External power supply	50~60Hz wide range 100~240VAC medical grade.
General	
Printer	any Windows compatible printer
DICOM connectivity	
Portable	
Weight	1 kg
Dedicated carrying case	
Integrated, removable and washable probe basket	