

Transcranial Doppler System (TCD)

EMS-9D PRO

EMS-9D PRO Transcranial Doppler (TCD) is the cutting-edge technology medical device with unique feature of robotic probe compatible with ICM+ platform for on-line cerebral hemodynamic research, which is the latest generation and high-end TCD product from Delica company.

All-in-one portable design TCD EMS-9D PRO helps physicans efficiently on status evaluation of cerebral auto-regulation and non-invasive long-term cerebral blood flow monitoring on patient.

With the unique technology of robotic probe and kinds of features such as adaptive baseline and scale, EMS-9D PRO provides an easy and fast solution for numerous neurovascular diseases in departments like ICU, NCCU,OR and research centers/institutes.

Innovative technology to break the barrier in Brain Diagnosis Field!



Accessories and Product Details



Multiple types of probe

Multiple types of probe: 1.6/2Mhz PW
4Mhz/8Mhz CW&PW,16Mhz PW



User-definable Keys

Water-proof remote control with 4 user-definable keys F1-F4

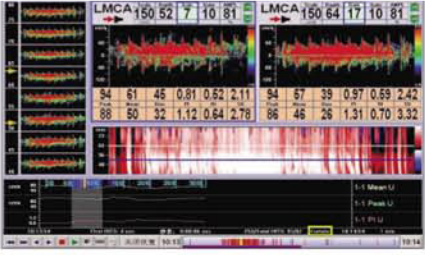
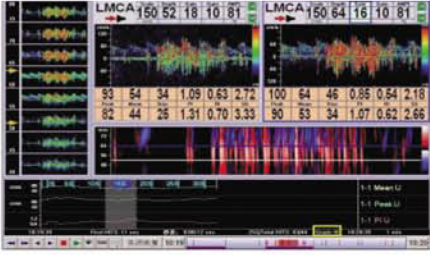
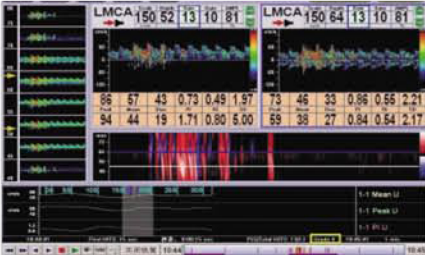
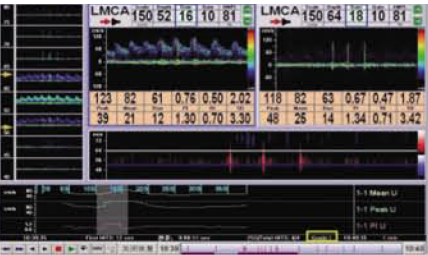


Multiple in/output channels

Up to 8 digital output channels
Up to 8 analog input channels
Up to 8 analog output channels

TCD Monitoring Applications

PFO Test



Emboli Detection



Offering real-time and offline cerebral emboli detection. Multi-depth window, power M-mode and unique algorithm for automatically discriminating solid/gaseous/artifact emboli with high accuracy

HITS Histogram for intuitive statistics and analysis

Features

All-in-one and protable design fulfills kinds of clinical scenarios

Touch-screen makes operation convenient and efficient in use

Various smart features such as Voice-guided PFO and Auto-grading function and auto-count function

Customizable vessel protocols and report templates

TCD with ICM+ platform for cerebral auto-regulation in hemodynamic research and experiment

Innovative robotic probe technology for long-term monitoring ensures stable and good quality CBF signal

Intelligent TCD

Innovative Robotic Probe Technology

Generation of robotic probe technology for bi-lateral long-term monitoring. The smart Tracking Funtion ensures stable signal during monitoring and regain the lost signal automatically once it gets lost.

8000-gate dynamic Power M-mode

The EMS-9D PRO has a flexible and configurable GUI (General User Interface), for various examination protocols and procedures. Settings can be predefined according to the customized layout and user preference. Such as the definition of vessel sequence and corresponding parameters.

AI Velocity Limited

Velocity Limited feature called adaptive velocity scale automatically adapts according to the real-time blood flow velocity changes

ICM+ multimodality online analysis platform compatible

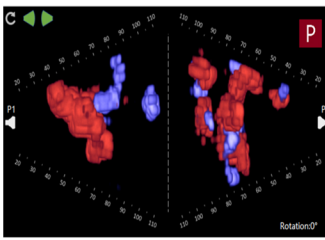
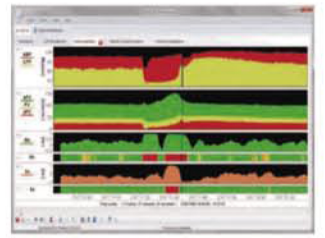
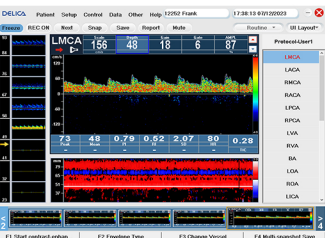
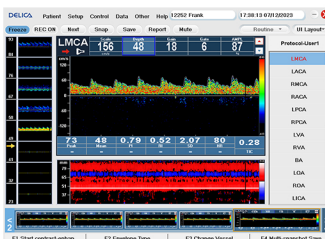
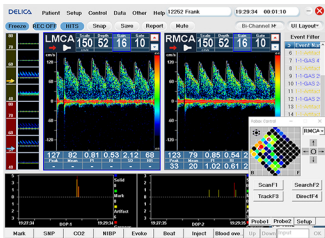
Applied with ICM+ in Neurological intensive care for simultaneous and real-time multimodality monitoring and analysis

Unique and Exclusive 3D Imaging Feature

Real-time constructing 3D vessel structure image during scanning.Visualized 3D structure imaging enables and helps physicians and professionals in quickly recognizing intracranial vessels. Reproducible technology powerfully simplifies the workload and time, which provides an intuitive and efficient solution.

IWM Realtime Output

Realtime output the value of IWM, Peak and Power via analog output



Clinical Applications

Detection and monitoring about vasospasm following the aneurysmal subarachnoid hemorrhage

Sickle cell disease screening

Diagnosis about Brain Death

Evaluation of Patent Foramen Ovale (PFO)

Detection of Cerebral Microemboli

Intracranial Steno-occlusion Disease

Carotid Endarterectomy Disease

Cononary Artery Bypass Graft Surgery Procedure Monitoring

Trans Aortic Valve Repair Monitoring

Acute Ischemic Stroke Detection

Cerebral Thrombolysis Monitoring

Evaluation about ICP changes



Neurology department



ICU



Cardiology department



Transcranial Doppler System (TCD)

EMS-9D PRO



DELICA

Shenzhen Delica Medical Equipment Co.,Ltd.

Address: 18F, Building B, High-tech park, Guangqiao Road, Tianliao Community, Yutang Street, Guangming District, Shenzhen, 518107, P.R. China.

Tel: +86 755 86210116 E-mai: info@delicasz.com

Fax: +86 755 86210002 Http: //www.delicamed.com



CE 0123



DELICA