

DX SYSTEMS

Research Production Enterprise

EEG · RHEO · EMG



DIAGNOSTIC MEDICAL EQUIPMENT

www.dx-systems.com

Engineering

Production

Sales

Support



Body speaks -

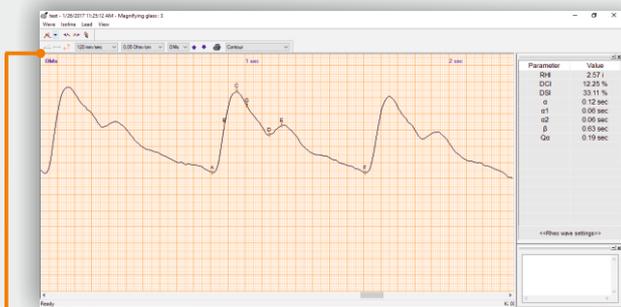
we translate

IMPEDANCE PLETHYSMOGRAPHY RHEO systems

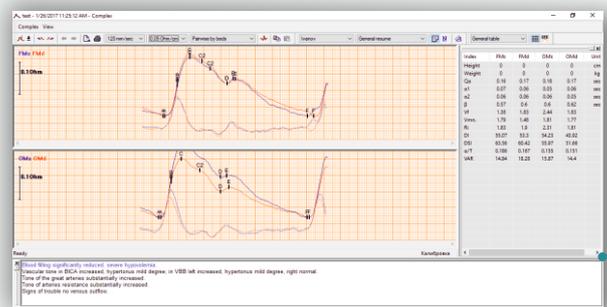
Computer rheograph for non invasive studies of central hemodynamics, blood flow of the brain, limbs and internal organs



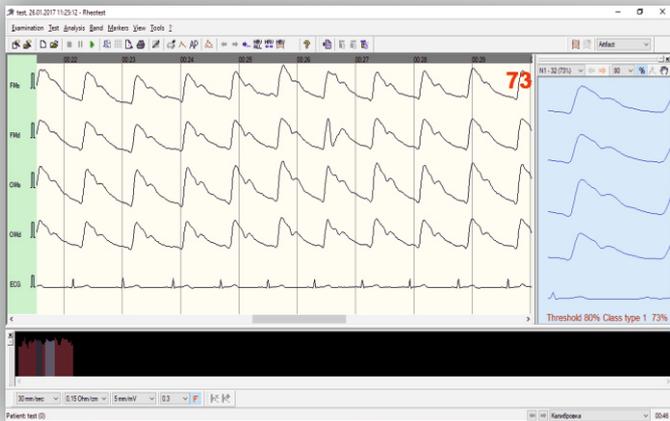
The **RHEOTEST** computer rheograph has several modifications depending on the availability of the number of methods - RHEOTEST REG, RHEOTEST REG RVG, RHEOTEST MAX, which allows for such studies as: rheoencephalographic, rheovasographic, rheohepatographic, rheopulmanographic, rheorhenographic, rheocardiographic - tetrapolar chest rheography by Kubichek, integral rheography by Tishchenko, three-channel rheocardiography. At the same time, a qualitative volumetric and differential rheogram is recorded in 4 channels and an ECG in one lead.



The **"Zoom in"** window allows for the analysis of the selected rheographic complex. Simultaneously with registration of rheogram automatically allocated rheographic complexes, displayed differential rheogram and determined current HR.

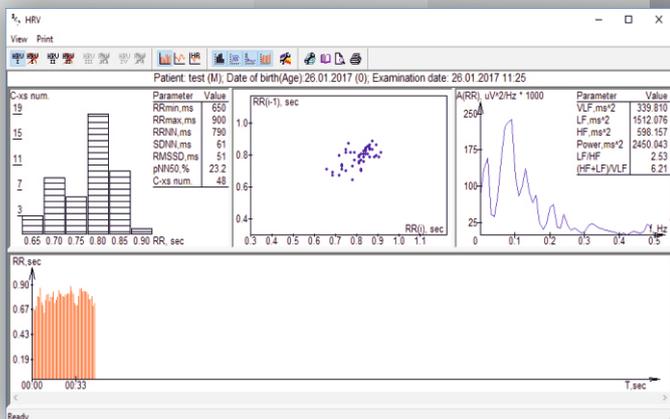


Any of the registered complexes can be analyzed and selected into a **group of fragments** for comparison with any other part of the record. The set of characteristics is selected depending on the examining basin.



For the analysis of the entire registered rheogram, it is possible to scroll the tape automatically or manually. You can find and view a fragment of interest using a **rhythmogram**. While viewing a rheogram, you can change the order in which the leads are displayed, switching them in places, disabling any of them.

Heart rate variability analysis is provided: temporal (statistical), wave structure analysis of the heart rhythm, scattergram, and variation pulsometry by Bayevsky. The automatic description of the rheogram is arranged according to the chosen method and corresponding age norms. At the same time, the system allows the user to form his own system of norms and decision rules for any methodology.



Technical specification

Number of rheographic channels	4
Number of electrocardiographic channels	1
Base impedance range	10..500 Ohm
Impedance dynamic component measurement range	0,01...0,5 Ohm
Noises level	≤ 0.003 Ohm
Time constant	≥ 0,4 sec
Probing current frequencies	4, 28, 56, 112 kHz



RHEOTEST

DX SYSTEMS

Research Production Enterprise

www.dx-systems.com

Vartovykh Neba str. 42,
Kharkiv, Ukraine 61072
RPE DX-Systems LLC
phone +38(067) 572-49-49
e-mail: dxmeddevice@gmail.com

BRAINTEST

M-TEST

RHEOTEST