

FiTRO Tapping Check

Manual

FiTRONiC, s.r.o.
Mládežnícka 26
841 10 BRATISLAVA
Slovakia

System serves for testing frequency velocity (tapping) of upper and lower limbs.

I. CONNECTING OF THE MATTRESSES TO THE COMPUTER

Using cables enclosed connect the mattresses with the interface.

The second output from interface (while the computer is still turned off) needs to be inserted into a USB port.

WARNING: FOR SAFETY REASONS TO AVOID SLIPPING, IT IS STRONGLY RECOMMENDED TO FIX THE MATTRESS ONTO THE GROUND BY MEANS OF STICKY TAPE!

II. SOFTWARE INSTALLATION AND OPERATION

Run the file "setup.exe" -from CD and follow the instructions.

III. WORKING WITH THE PROGRAM

Program main menu with following options appears at the top of the screen: File, Subject, Test, Report, Communication port, Help.

FILE

The submenu provides possibility for saving and loading data as well as defining path to a particular directory.

SUBJECT

After simultaneous pressing ALT-S, or highlighting and repetitive confirmation of option Subject, or directly pressing hot key F6 a dialogue box appears on the screen.

To enter particular column press first (marked) letter of the appropriate option simultaneously with ALT, or press TAB. Using this key it is possible to move to the next column. To get back to the previous one press simultaneously SHIFT and TAB.

Insert required information. To edit input data use BACKSPACE and DELETE keys.

Using ESC it is possible to get back to the main menu. However, the input data will not be stored in computer's memory in that case.

After pressing ENTER the input data are stored in computer's memory and after a measurement routine they are stored together with results on an appropriate disc.

The program does not require input in each column; the range of provided data depends on current needs of a user.

TEST

After entering the option it is possible to fill in duration of the test in seconds.

After confirmation of the sitting by pressing ENTER message "Lift feet above mattresses and press ENTER" appears. Repetitive confirmation by ENTER activates the system and makes it ready for measurement routine. Test is launched automatically at the first contact with any of the plates. After accomplishing each tapping cycle (contact period and period of flight) frequency in a graphic form is represented separately for left and right limb.

It is also possible to perform the test by one limb.

After pressing ENTER, main menu appears on the screen.

It is possible to save measured data immediately using procedure SAVE (program module FILE) or to directly process them in program module REPORT. To avoid possible loss of data, this procedure appears automatically before the next measurement routine. It is possible to skip it (and thus delete the data from the memory) by repetitive pressing ENTER.

REPORT

After confirmation of the choice, particular options in the form of pull-down menu appear.

The module provides the possibility for representing results from each reaction separately (*TAPE BY TAP*) or in defined intervals and for representing the measured data digitally. To enter particular modules highlight the option and press ENTER.

TAP BY TAP

Represents parameters of particular taping cycles, i.e. actual time of accomplishing the cycle, contact and flying period and frequency separately for left and right limb. Contact and flying periods are also represented as means and frequency as a sum of values of both limbs. If a cycle of one side misses corresponding cycle of the other one (e.g. during one cycle of right limb two or more cycles by the left one are done) the system calculates means of the contact and flying times or sum of frequency of the one cycle.

Mean values and authoritative deviations of particular parameters are showed below the particular columns.

To move between the data lines use up and down cursor arrows.

To print data press F8.

INTERVAL

Represents data in the same format as the option "Tap by Tap", however, only means and authoritative deviations are showed.