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STABILO

Standard Vestibology Platform

“STABILO” is a professional system for the posture scale analysis. Over 20 years ago POLITECNICA has designed with Dr. Gagey and Dr. Guidetti a standardized stabilometric platform according to the details of French Posturology Association (AFP85). The first generation of the posture scale analyzer was developed for one of the leader market, but after some years we extend our experience with a new system extremely modern with many new solutions.



The new generation of the posture scale analyzer provides unlimited information on the weight distribution, the center of pressure, stability and more, realizing an extremely precise prospect and mathematic scale.

Moreover the posture scale analyzer provides a biofeedback tool for training and educating patients to control their balance.

A. WHO CAN USE THE “STABILO”

The system is successfully utilized: Vestibology – Posturology - Odontoiatry – Physiotherapy – Orthopedics - Oculists

B. GENERAL CHARACTERISTICS:

- Strong and reliable system.
- USB connection between the platform and the PC, suitable for laptop, giving the possibility to work only with the computer battery.

- Sound management: the system can send to the patient some acoustic signal even to correct the position

C. THE SOFTWARE

The software works with Windows XP, VISTA, 7, 8 or 10 in Italian or English language.

Standard Test

- The standard test takes between 25.6 to 51.2 seconds, in the different operation conditions: open eyes, close eyes, soft carpet, rigid carpet, etc. With the possibility to show to the patient different images more or less stabilized.
- Test record, and calculation of the most important parameters.

Charts and Calculations

- Graphic and numeric of the time between the coordinates on the lateral and frontal plane, with indication of the minimum, maximum and medium values, in comparison with the normal statistic values.
- Calculation of the oscillation surface, based on the ellipsis that contain the 90% of the samples points.
- Graphic frequency spectrogram obtained by Fourier method (FFT) with separate evaluation of the oscillation on both the plans

Rehabilitation and Feedback:

Rehabilitation exercise concerning the body movements, by a step by step program, or the method of the 3 concentric rings

D. Options

Base System:

Analyzer platform (dimension 50cm X 50cm X 7 cm weight 12 kg) with 3 sensor on the triangle of 400 mm of size, complete of electronics and CD ROM with the software for the Windows operating systems;

Complete System:

This configuration includes the system as above plus the following items:

LCD Monitor 22 inch and support with settable height (Manfrotto)

Software for the rehabilitation feedback

Dual Head Graphic card



Complete system