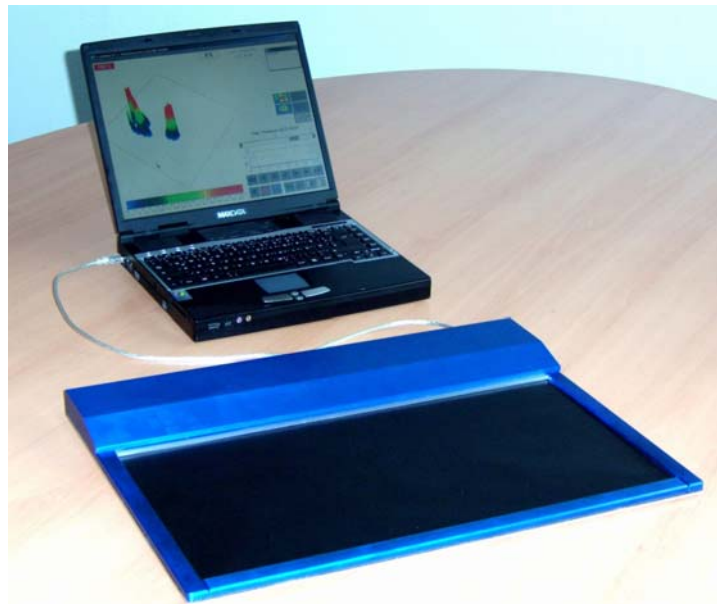


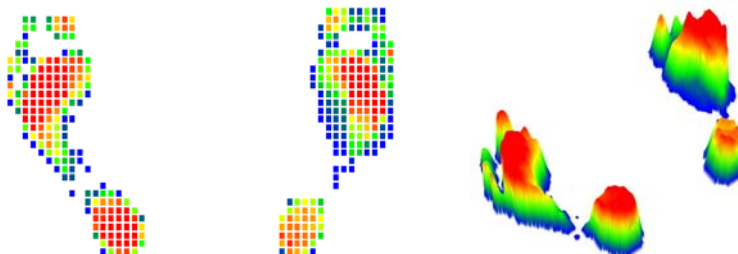
Web-King pressure plate 250 USB

The human ability to maintain an upright posture relies heavily on the structure and condition of the feet. Important anatomical aspects of the foot can be derived from the static pressure distribution measurement. Thus recording the pressure distribution under the foot is a fundamental tool for orthopaedic shoemakers in care treatment for the foot. The medilologic foot pressure measuring platform offers easy recording of the static and dynamic pressure distribution under the foot. It is especially suited for documentation of the foot status before care and treatment. Therefore it ideally supplements the medilologic dynamic insole measuring system.



Description of the System

The main component of the foot pressure measuring platform is a quadratic field consisting of 2048 pressure sensors. The data from these sensors are transmitted via USB cable connection to a computer. The system uses the USB port as powersupply, thus eliminating the need and cost for batteries. The software running under the Windows operating system offers instant display of the values on the computer monitor. Immediately after switching the software to online mode the values appear as graphical display on the monitor. The pressure distribution of a static measurement or a single steps (up to walking speeds of 4mph) can be evaluated using two- and three-dimensional display. The user interface for the pressure measuring platform corresponds to that of the foot pressure measuring system, which is similar to operation of a video recorder. Pressing the recording button starts the measurement. The recorded pressure load can be evaluated using the display of maximum or average values under the foot. Additionally the movement of the center of pressure can be evaluated. Every recording is stored on hard disk for each patient so that evaluation at a later time is always possible. Due to the easy to understand concept of the software and intentional reduction of functions to those pertinent to the user an extensive learning phase is avoided.



Technical Data (may change without notice)

Platform:

- 2048 SSR-Sensors
- measuring area: 480 x 240 mm
- over all measures: 550 x 400 mm
- Weight: 5 kg
- Powersupply via USB Port

Range of measurement:

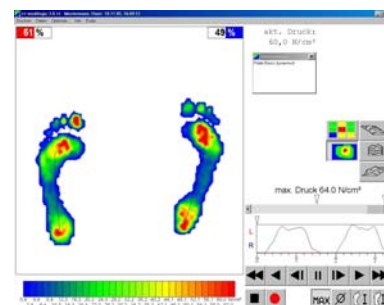
- 0,6 to 64 N/cm²

Sampling Rate:

- 20 Hz

Recommended minimum Computer Configuration:

- PC Pentium 1,6 GHz, 256 MB RAM, mouse
- Colour Display 800x600 Pixel, 16 bit colour dept
- 1 free USB Port
- 1 parallel port or USB port if printer use is intended
- Hard disk use: approx. 25 MB for program, 0-30 MB for eventual Winsows Update, approx. 1 MB per measurement (recommended: 2 GB overall capacity)
- Windows® 2000 / XP (no WinNT)



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