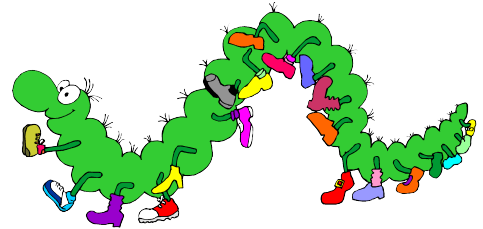


medilogic

Pressure Measuring Platform



For Application
in the fields of

- Orthopaedic Shoe Manufacturing
- Orthopaedics

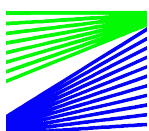
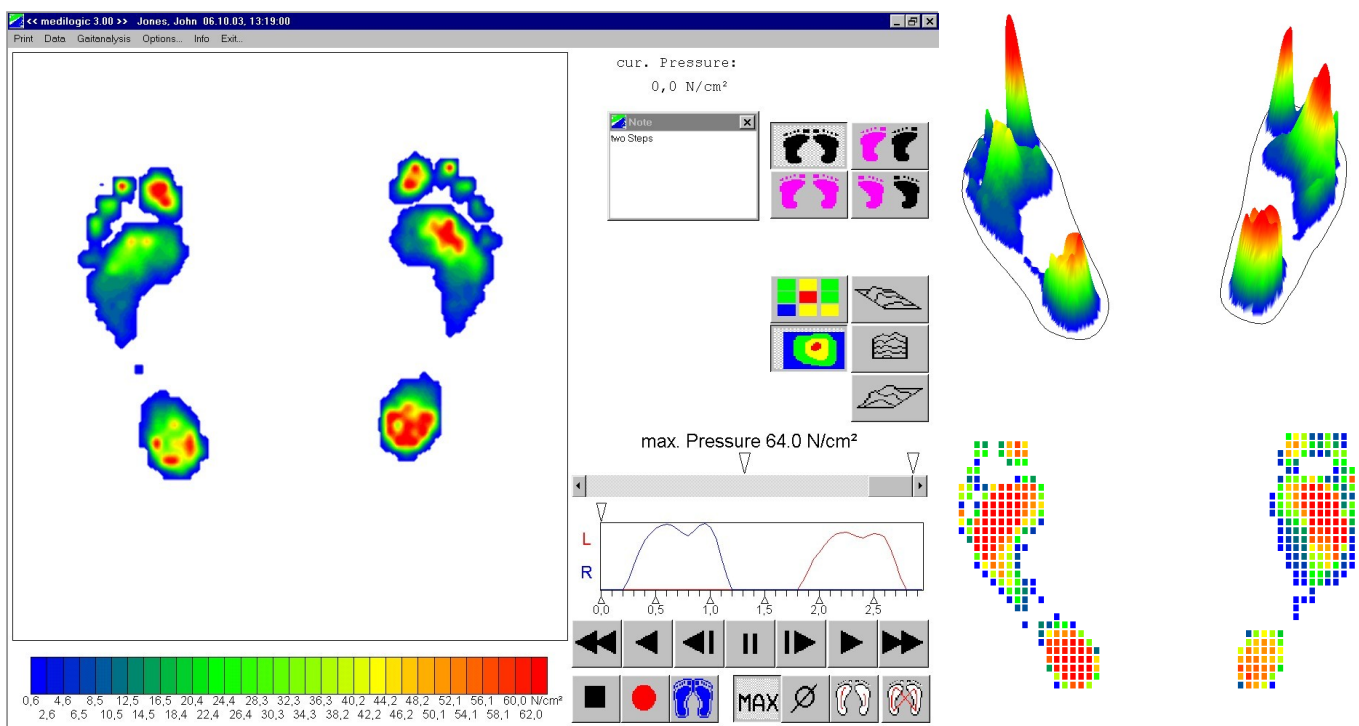
- Neurology
- Occupational medicine

- Traumatology
- Sports medicine

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 medilogic 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 medilogic dynamic insole measuring system.

The outline function of the medilogic Pressure Measuring Platform gives You the additional feature to capture the outline of the foot during standing. Thus important additional information can be gathered to help in the care for the foot.



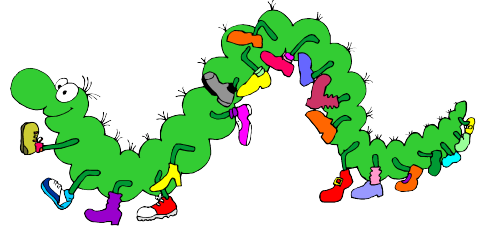
T&T medilogic

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Pressure Measuring Platform



Description of the System

The main component of the medilogic foot pressure measuring platform is a quadratic field consisting of 4096 pressure sensors. The data from these sensors are transmitted via a wireless connection to the data modem attached to a computer. The medilogic foot pressure measuring platform can either be used as a supplemental system to the wireless medilogic foot pressure measuring system or as standalone system with a wire connection to the computer.

The software running under the Windows operating system offers instant display of the values on the computer monitor. Immediately after switching on the data module the values appear as graphical display on the monitor.

The pressure distribution of a static measurement or a single steps can be evaluated using two- and three-dimensional display. Furthermore the foot outline can be recorded and saved with a special pen function.

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)

Sohlen:

- 4096 SSR-Sensors
- measuring area: 480 x 480 mm
- over all measures: 530 x 540 mm

Range of measurement:

- 0,6 to 64 N/cm²

Sampling Rate:

- 20 Hz

Data modem:

- Weight: 180g
- L x B x H: 145mm x 60mm x 30mm
- Power supply: 9V standard battery

Computer modem

- Weight : 150g
- L x B x H : 93mm x 75mm x 28mm
- USB computer interface
- Power supply: over USB interface

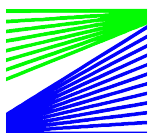
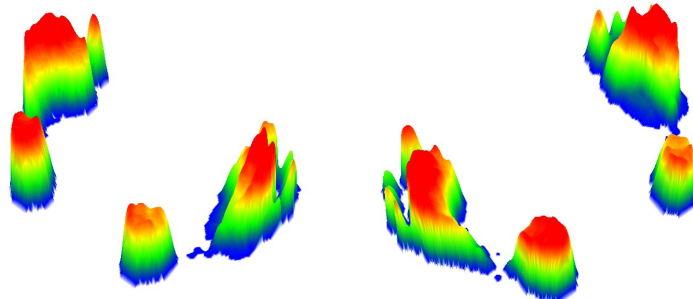
Wireless Transmission:

- Carrier Frequency: 2,4 GHz
- Range: approx. 25m inside buildings
- licence and registration free in all EU countries

Recommended minimum Computer

Configuration:

- PC Pentium 1,6 GHz, 256 MB RAM, mouse
- Colour Display 800x600 Pixel, 16 bit colour depth
- 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 Windows Update, approx. 1 MB per measurement (recommended: 2 GB overall capacity)
- Windows® 2000 / XP (no WinNT)



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