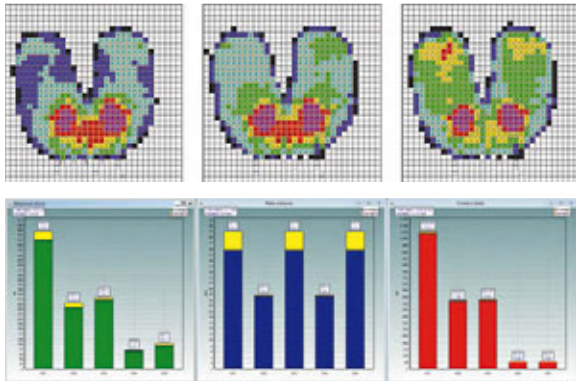


pliance® data capture and playback display

novel report



The **pliance®** software operates as a Windows application and allows easy data collection. It also allows continuous data storage in real-time mode and data handling with a configurable SQL database.

Using novel medical scientific software the expert is able to design the analysis of data to their specific needs and exchange HTML report data with colleagues via intranet or internet connection.

Specific reports can be designed by the user to allow quick and easy data analysis and communication.

Features of the pliance® wheelchair sensor mat

- elastic, fully stretchable
- highly compliant to 3D soft surfaces
- accurate, 5% ZAS
- low hysteresis 3% - 7%
- each sensor individually calibrated
- low temperature effect

Features of the pliance® analyzer

- lightweight
- easy to use
- mobile
- safe
- synchronizes with external device

Features of the pliance® software

- easy to use
- Windows compatible
- multilingual
- integrated with novel database
- displays pressure time integrals, force time integrals and regional analysis of pressure and time variables
- allows multi-field analysis

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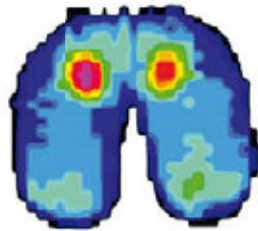
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All systems from novel operate with high quality, calibrated sensors and provide reliable and reproducible long term measurements. emed®, pliance®, pedar®, manugraphy® and the novel logo (colored foot) are the registered trademarks of novel gmbh © 1992-2014



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Isobar display



3D display

The **pliance®** wheelchair system delivers absolute repeatable technology for static and dynamic pressure distribution measurement on wheelchairs. The system provides a dynamic quantification of the seated localized pressure locations of patients in wheelchairs. The **pliance®** system assists in selecting the appropriate cushions and correct adjustments of the wheelchair to fit the individual patient. For everyday testing, all measurements can be performed dynamically while the wheelchair is moving. The **pliance®** operates via Bluetooth telemetry over a 100 meter range. The telemetry allows the user to watch the patient in the wheelchair and at the same time fully control the **pliance®** system from the PC .

The system consists of a mat which is not only flexible but highly elastic, a multi-channel analyser, a calibration device and a software package for Windows computers. As in all sophisticated sensor measurement systems, the most important aspect is the sensor technology. **pliance®** works with accurate capacitive transducers in a matrix configuration. The high elasticity of the sensor mats permits perfect conformability to 3-dimensional deformations. The pressure transducing elements contain high-tech materials manufactured by novel. Restoring force, range of force, threshold, hysteresis, temperature effect, frequency response and other characteristics are tailored to optimal use on wheelchairs.



Wheelchair sensor mat

trublu® calibration device

With the aid of the trublu® calibration device, all the **pliance®** sensors are individually and simultaneously calibrated with homogeneous air pressure. Calibration guarantees accurate and reproducible data collection.



trublu® calibration device



pliance® system

The **pliance®** electronic system can collect up to 1024 sensor elements in the sensor matrix. The **pliance®** software can be installed on Windows operating systems and has options for a wide range of scientific analysis. Collected data can be stored on the SD memory card or transmitted real-time to a computer via the built-in Bluetooth® telemetry.

The **pliance®** analyzer can be synchronized with many other measuring systems such as EMG or 3D motion analysis systems.

Technical data of the **pliance®** system

dimensions (mm)	150 x 100 x 40
weight (g)	360
number of sensors (max)	1024
measurement frequency	20,000 sensors/second
storage type	2 GB SD memory card
operating system	Windows OS (Mac running Windows)
power supply	rechargeable battery
computer interface	fiber optic/USB and Bluetooth®
sync option	fiber optic/TTL, in and out