



pedar[®]

Leading system for in-shoe measurement.

In-shoe pressure sensors

pedar[®] enables the analysis of the **interaction between the foot and the shoe** at highest quality and precision levels.

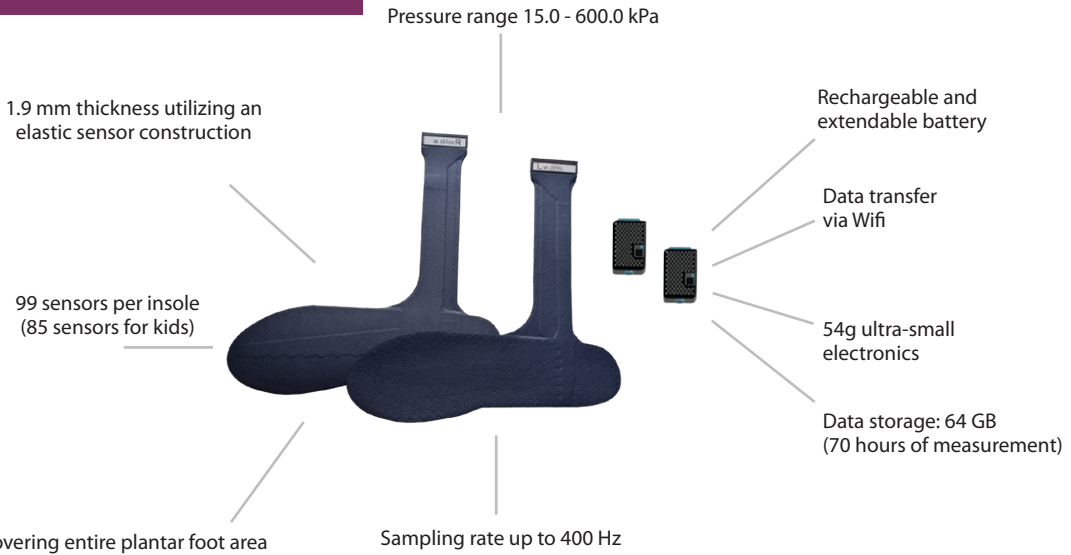
Use the system for **in-shoe pedography** and collect reliable pressure and load distribution data.

Key features provided by pedar[®]:

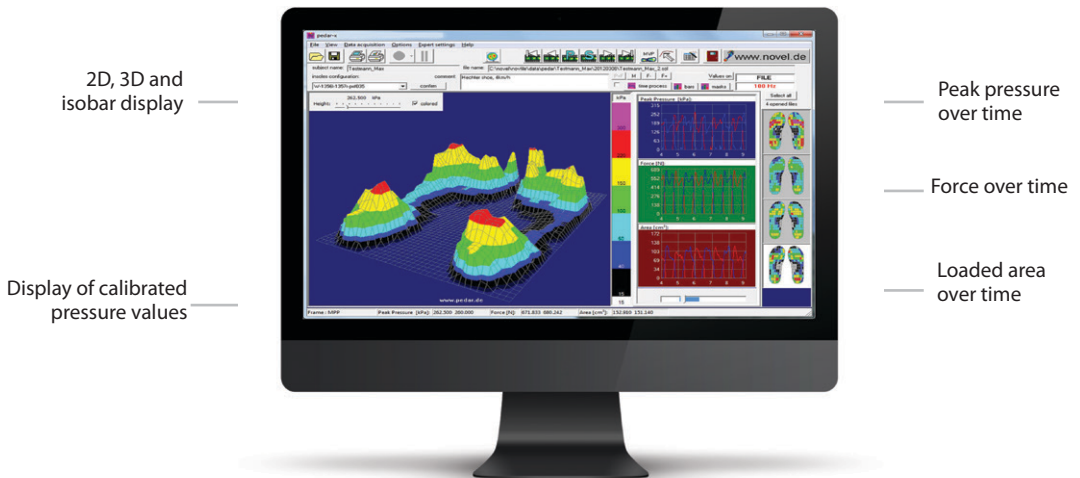
- measure in-shoe pressure in a free moving environment with reliable and precise sensors
- scan the complete contact area with individually calibrated sensors that cover 99.5% of the contact area between foot and shoe
- analyze interaction between the foot and the shoe in real-time
- compare effect of adjustments within seconds (e.g. shoe inserts, gait parameters, etc.)



Technical information



pedar® software features



novel GmbH (Global, GER)
Ismaninger Str. 51, 81675 Munich
tel: +49 (89) 417767-0
e-mail: sales@novel.de
web: www.novel.de

copyright © novel GmbH - July 2024

novel electronics inc. (North America)
3367 Babcock Blvd, Suite 101
Pittsburgh, PA 15237
tel: +1 (412) 755-0200
e-mail: novelinc@novelusa.com
web: www.novelusa.com

pedar package listing

X-Studio



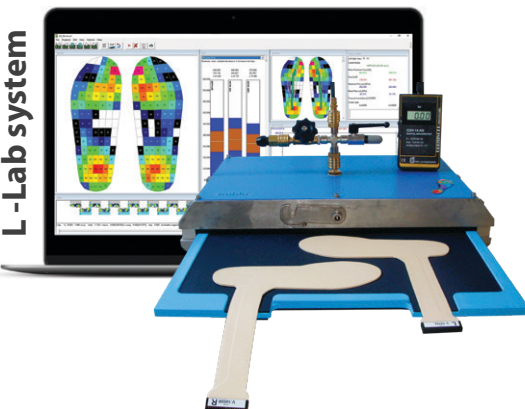
Software suite	Studio
Pressure distribution measurement	✓
Raw pressure data (ASCII)	✓
.sol conversion	✓

E-Expert



Software suite	Expert
X-Studio included	✓
CoP & Step analysis	✓
Raw force & CoP data (ASCII)	✓

L-Lab system



Software suite	Expert
E-Expert included	✓
Calibration device	✓

buttonsens®

Quantifying fingertip forces

buttonsens® enables the quantitative analysis of **finger forces** and **dexterity**.

The textile sensor can be utilized to **detect forces** when pushing a **button** or any other finger-object interaction.

loadpad®

Unobtrusive low pressure sensing

loadpad® enables the effortless measurement of forces on contact areas and interfaces.

Utilize the mobile, wireless and versatile sensors to **analyze contact forces** between objects accurately and reliably.

loadsol®

Truly wireless load measurement

loadsol® enables truly wireless in-shoe force measurement **now in any environment** and with **any movement**.

Capture the interaction between foot and ground **accurately, effortlessly**, and with **flexibility**.

emed®

Accurate & reliable foot analysis

emed® enables the analysis of the barefoot at highest quality level.

Easily scan the **pressure distribution** and get a reliable and accurate **analysis of the foot function**.

pliance®

Accurate surface pressure analysis

pliance® enables the measurement of force and **pressure** distribution between **3D-deformed interfaces**.

Utilize pliance to analyse pressure on **seats, saddles, mattresses** and any other soft or hard object.

texsens®

Unobtrusive low pressure sensing

texsens® enables the analysis of local pressures between soft interfaces (e.g. between skin & textiles).

Use texsens to precisely quantify pressure and **optimize your wearable products** or **garmets**.