



pedar<sup>®</sup>

*Leading system for in-shoe measurement.*

# In-shoe pressure sensors

**pedar<sup>®</sup>** 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<sup>®</sup>:

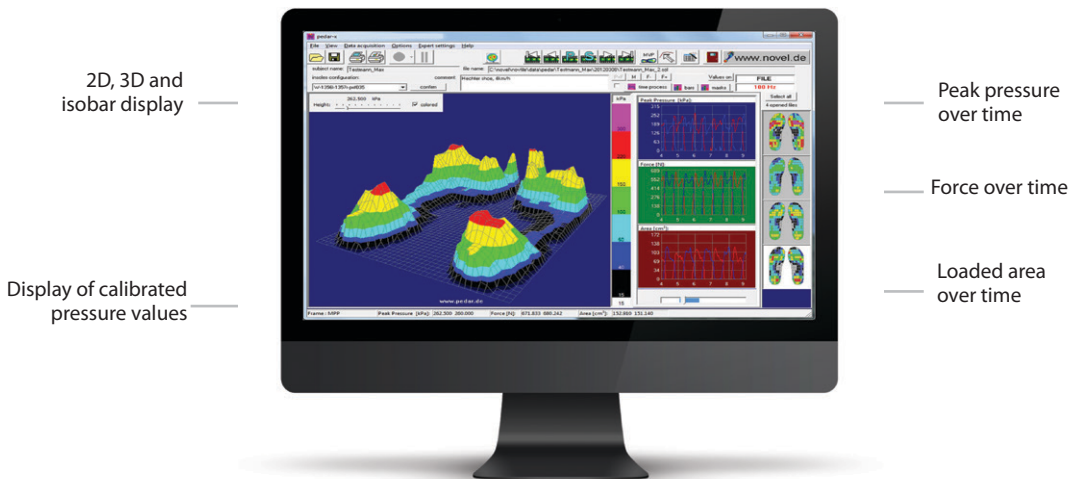
- measure in-shoe pressure in a free moving environment with reliable and precise sensors
- scan the complete contact area with individually calibrated sensors that cover 99.5% of the contact area between foot and shoe
- analyze interaction between the foot and the shoe in real-time
- compare effect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



## Technical information



## pedar® software features



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## pedar package listing

X -Studio



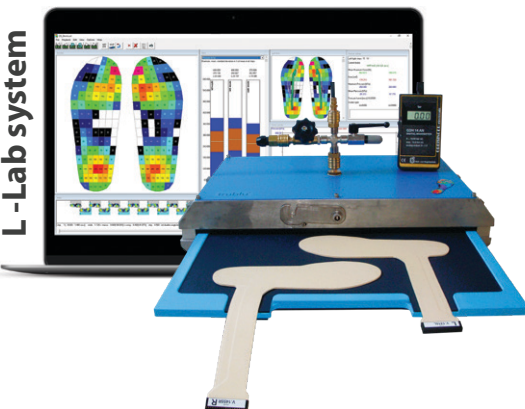
Software suite	Studio
Pressure distribution measurement	✓
Raw pressure data (ASCII)	✓
.sol conversion	✓

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**.