



Barefoot pressure platform

emed®

Accurate & reliable foot analysis

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

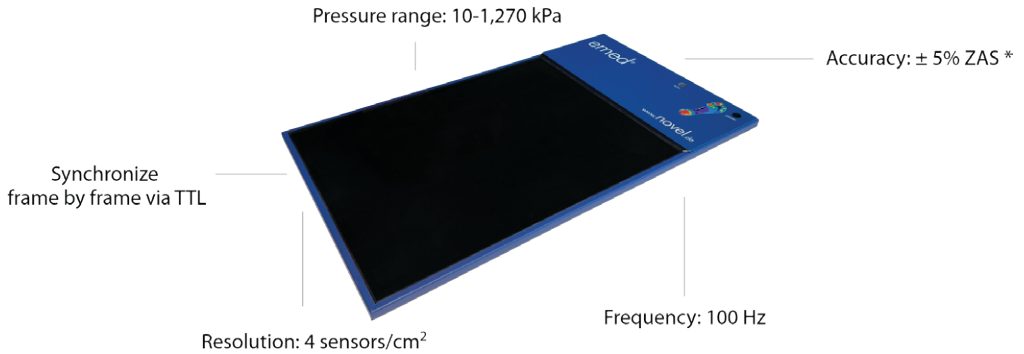
Easily scan the **pressure distribution** and get a reliable and accurate **analysis of the foot function**.

Key features provided by emed®:

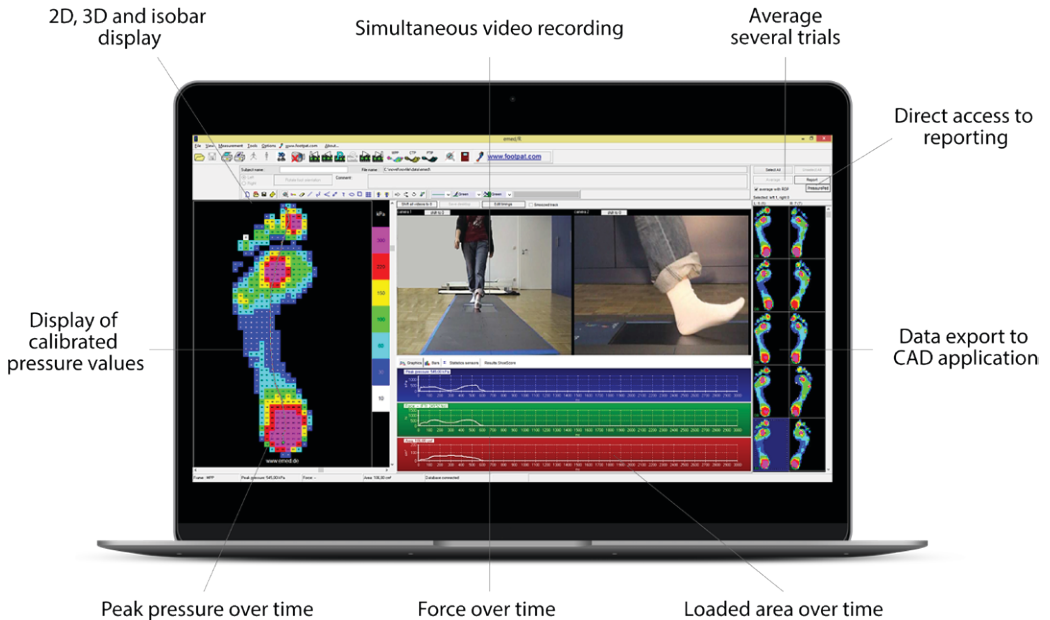
- collect pressure and force data during static & dynamic movements like balance, walking, running and more
- work with reliable, individually calibrated, capacitive sensors
- quickly integrate the platform in your lab or medical environment and sync with other systems
- create pre-defined reports for multiple applications within seconds, automatically



Technical information



emed® 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

novel electronics inc. (North America)
964 Grand Avenue St. Paul, MN 55105
tel: +1 (651) 221-0505
e-mail: novelinc@novelusa.com
web: www.novelusa.com

We offer two different emed models.

Choose depending on size to meet your space requirements and synchronization options to meet your lab setup requirements



Technical data	emed® q	emed® xl
pressure range	10 - 1,270 kPa	
dimensions in mm (height incl. cover)	700 x 403 x 15.5 18	1,529 x 504 x 21 18
sensor area (mm)	475 x 320	1,440 x 440
# of sensors	6,080	25,344
Resolution (sen/cm²)	4	4
frequency (Hz)	100	100
*Accuracy (% ZAS)	± 5	± 5
temp. range (°C)	15 - 40	15 - 40
synchronization	sync-out pulse at first contact	sync-out/in

All platforms measure accurate, calibrated pressure, force, and contact area. Additionally, the emed-xl collects spatiotemporal parameters.

*ZAS: Zero at start

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**.

pedar®

Leading system for in-shoe measurement

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.

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 **garments**.