



# Barefoot pressure platform

emed<sup>®</sup>

Accurate & reliable foot analysis

emed<sup>®</sup> enables the analysis of the barefoot at highest quality level.

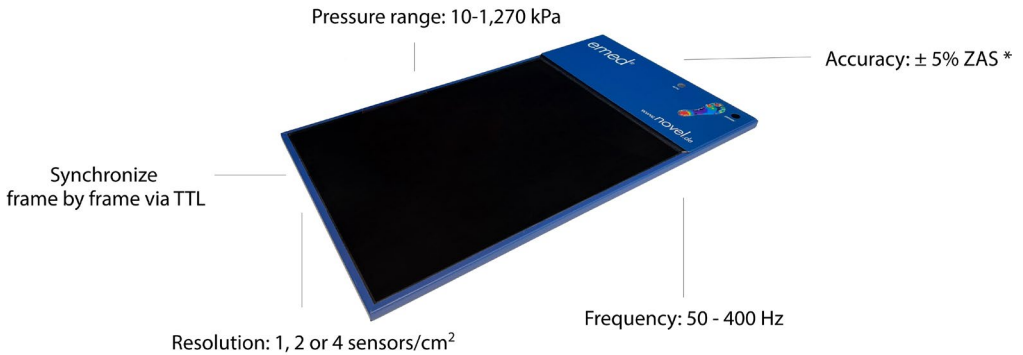
Easily scan the **pressure distribution** and get a reliable and accurate **analysis of the foot function**.

## Key features provided by emed<sup>®</sup>:

- 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



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**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/cm <sup>2</sup> )	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 **garmets**.