emed®
Accurate & reliable foot analysis

Barefoot pressure platform

emed® enables the analysis of the barefoot at highest quality level.
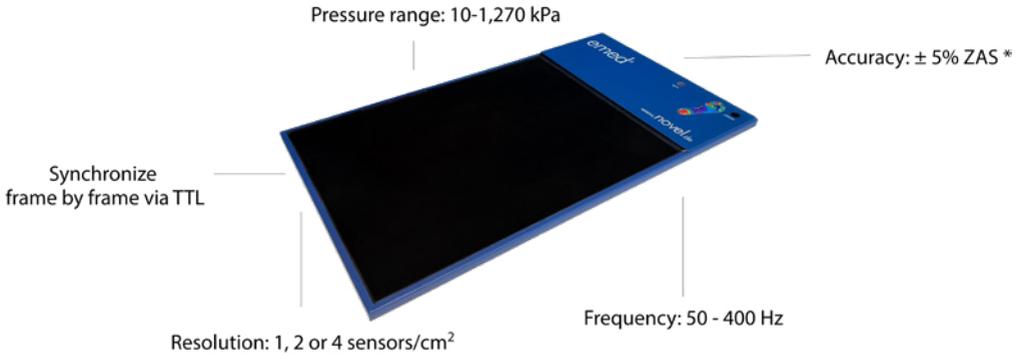
Easily scan the **pressure distribution** and get a reliable and accurate **analysis of the foot function.**

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

Pressure range: 10-1,270 kPa

Accuracy: ± 5% ZAS *

Synchronize frame by frame via TTL

Resolution: 1, 2 or 4 sensors/cm²

Frequency: 50 - 400 Hz

emed® software features

2D, 3D and isobar display

Simultaneous video recording

Average several trials

Direct access to reporting

Display of calibrated pressure values

Data export to CAD application

Peak pressure over time

Force over time

Loaded area over time

We offer 5 different emed models.

Choose between:
- sizes to meet your space requirements
- spatial resolutions to meet your testing needs
- measurement rates based on the planned activities
- and synchronization options

Technical data	emed®-a50	emed®-n50	emed®-q100	emed®-x400	emed®-xl
pressure range	10 - 1,270 kPa				
dimensions in mm (height incl. cover)	610 x 323 x 15.5 (18)	700 x 403 x 15.5 18	700 x 403 x 15.5 18	700 x 403 x 15.5 18	1,529 x 504 x 21 18
sensor area (mm)	389 x 226	475 x 320	475 x 320	475 x 320	1,440 x 440
# of sensors	1,760	6,080	6,080	6,080	25,344
resolution(sen/cm²)	2	4	4	1 or 4	4
frequency (Hz)	50	50	100	400 or 100	100
*Accuracy (% ZAS)	± 7	± 5	± 5	± 5	± 5
temp. range (°C)	15 - 40	15 - 40	15 - 40	15 - 40	15 - 40
synchronisation	only LED flash at first contact	sync-out pulse at first contact	sync-out pulse at first contact	sync-out/in	sync-out/in

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

*ZAS: Zero at start

novel

manugraphy®
Accurate & reliable hand analysis

manugraphy® enables the analysis of the hand function at highest quality level.

Scan the **pressure distribution** to get a reliable and accurate **analysis of the hand function.**

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.

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**.

texsens®
Unobtrusive low pressure sensing

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

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