



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**.

emed[®] key features:

- 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

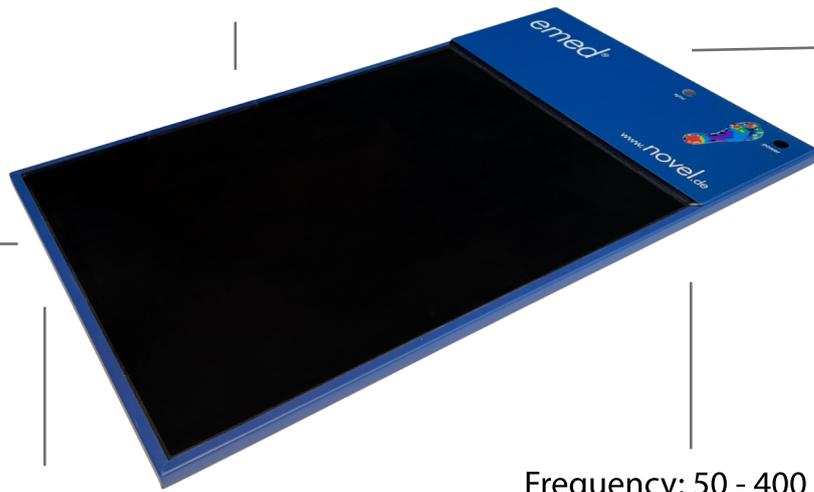
Pressure range: 10-1,270 kPa

Accuracy: $\pm 5\%$ 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

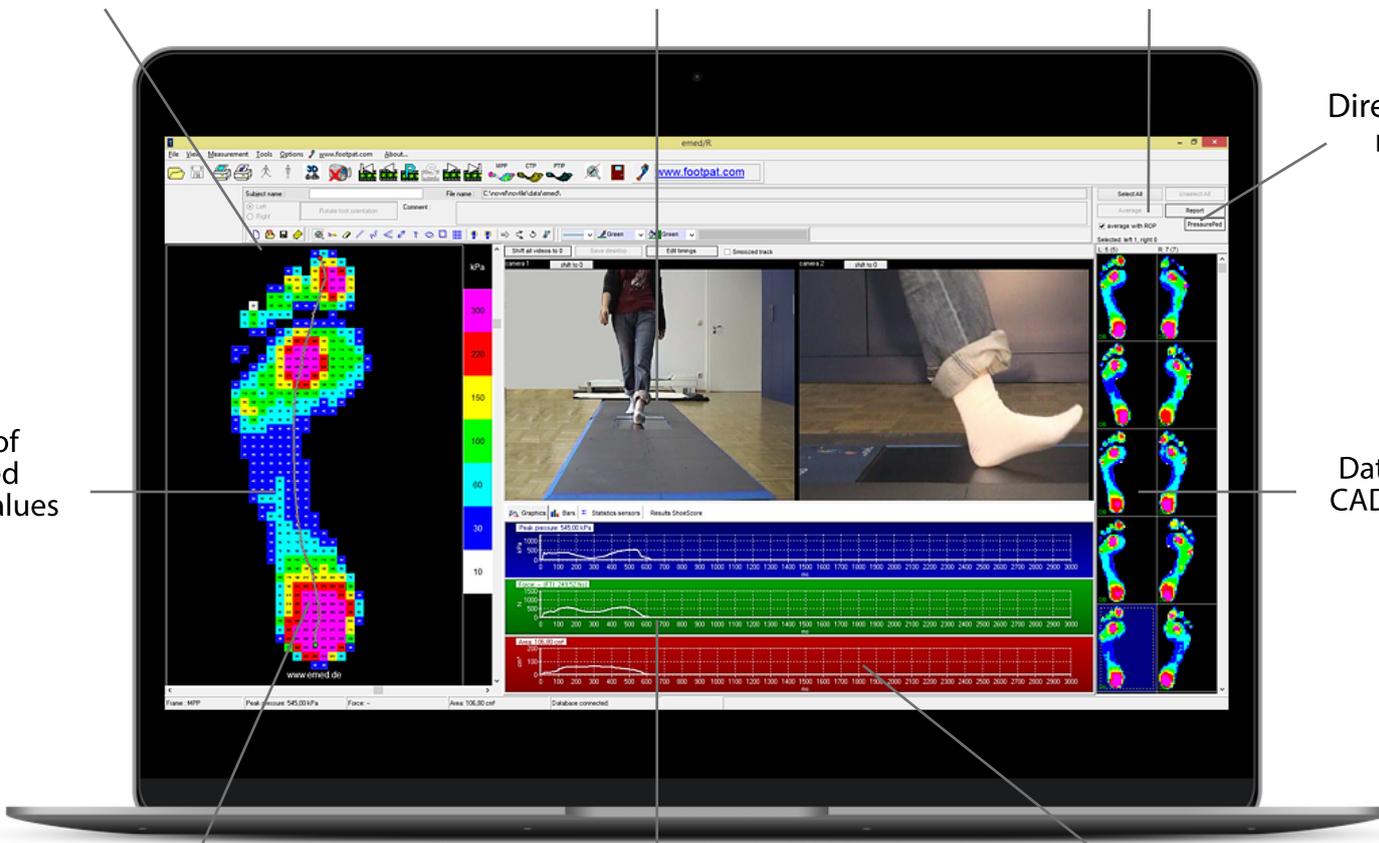
Display of calibrated pressure values

Data export to CAD application

Peak pressure over time

Force over time

Loaded area over time



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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/cm ²)	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. The Additionally, the emed-xl collects spatiotemporal parameters.

*ZAS: Zero at start

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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®

Soft-object force measurement

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® II 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**.