emed®-a50

The emed® software controls the emed platform and collects and displays the plantar pressure data.

Technical data for the emed®-a50 platform	
dimensions (mm)	610 x 323 x 15,5 (18)
sensor area (mm)	389 x 226
number of sensors	1,760
resolution (sensors/cm²)	2
frequency (Hz)	50/60
pressure range (kPa)	10 - 1,270
pressure threshold (kPa)	10
accuracy (% ZAS)	± 7
hysteresis (%)	< 3
temperature range (°C)	15 - 40
max. total force (N)	110,000
cross talk (db)	- 40
cable length (m)	5
synchronisation	only LED flash at start

pedography

Pedography with the emed® pressure measurement platform is a worldwide scientifically proven method for the analysis of foot function and assessment of foot pathologies. Each measurement can be started from the novel patient database. This database may be linked to patient record databases via an internal network. As soon as the patient's foot touches the platform, data acquisition starts. It is also possible to record a synchronous video of the patient walking across the platform. The data collected with the emed® system can be automatically averaged, analyzed and compared to a normal population. Based on this data, novel's software generates an individualized report describing the foot function. Within only eight minutes the practitioner receives an analysis of the biomechanical function of both feet as an HTML file that can be opened with any standard internet browser. The pedo-graphy reports facilitate the exchange of information between foot specialists and enable precise documentation of treatment and care.

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May 2018 / Information subject to change without notice

emed® pedography® systems

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emed®-n50

emed® pedography platforms are accurate electronic systems for recording and evaluating pressure distribution under the foot in static and dynamic conditions.

Technical data for the emed®-n50 platform	
dimensions (mm)	700 x 403 x 15,5 (18)
sensor area (mm)	475 x 320
number of sensors	6,080
resolution (sensors/cm²)	4
frequency (Hz)	50
pressure range (kPa)	10 - 1,270
pressure threshold (kPa)	10
accuracy (% ZAS)	± 5
hysteresis (%)	< 3
temperature range (°C)	15 - 40
max. total force (N)	193,000
cross talk (db)	- 40
cable length (m)	5
synchronisation	sync-out pulse at start

emed®-q100

emed® platforms operate with calibrated capacitive sensors and are certified medical products.

Technical data for the emed®-q100 platform	
dimensions (mm)	700 x 403 x 15,5 (18)
sensor area (mm)	475 x 320
number of sensors	6,080
resolution (sensors/cm²)	4
frequency (Hz)	100
pressure range (kPa)	10 - 1,270
pressure threshold (kPa)	10
accuracy (% ZAS)	± 5
hysteresis (%)	< 3
temperature range (°C)	15 - 40
max. total force (N)	193,000
cross talk (db)	- 40
cable length (m)	5
synchronisation	sync-out pulse at start

emed®-x400

emed® systems measure accurately foot pressure and body weight in static and dynamic mode and start recording automatically when the subject's foot contacts the platform.

Technical data for the emed®-x400 platform	
dimensions (mm)	700 x 403 x 15,5 (18)
sensor area (mm)	475 x 320
number of sensors	6,080
resolution (sensors/cm²)	1 or 4
frequency (Hz)	400 or 100
pressure range (kPa)	10 - 1,270
pressure threshold (kPa)	10
accuracy (% ZAS)	± 5
hysteresis (%)	< 3
temperature range (°C)	15 - 40
max. total force (N)	193,000
cross talk (db)	- 40
cable length (m)	5
synchronisation	sync-out/in