

freeMed

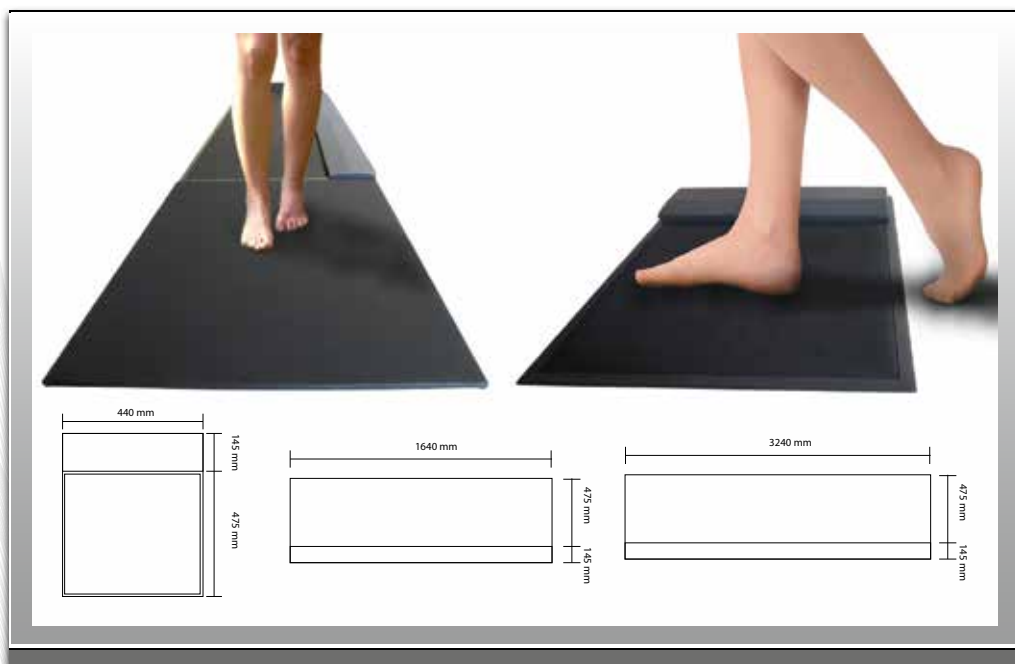
Baropodometric platforms



Over 400Hz sampling frequency



The pursuit of perfection



freeMed baropodometric platforms detect patient's foot loads and the postural statement during the standing, walking and maintaining the balance. The sensorized plate is developed to acquire with a sampling frequency more than 400Hz in real time.

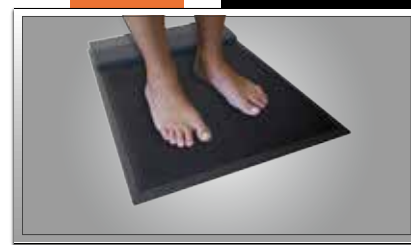
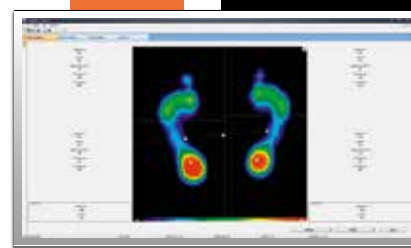
In combination with EMG surface systems, gyroscopes and accelerometers or digital cameras, it allows biofeedback rehabilitation exercises and videographic evaluations.

All the acquired data are processed in **freeStep** software, that allows detailed evaluations and printings.

freeMed platforms are available in 5 different lengths or, on demand, in customized sizes.

Highlights

- Sampling frequency: over 400Hz in real time;
- USB 2.0 connection;
- Wi-Fi optional module with rechargeable batteries;
- Resistive sensors, 24K gold coated with conductive rubber;
- Configurations (cm) : 40x40/ 80x40/160x40/ 240x40/ 320x40/custom;



| SPECIFICATIONS / MODEL | 40x40 | 80x40 | 160x40 | 240x40 | 320x40 |
|------------------------|--|---------|----------|----------|----------|
| Power supply | 15Vcc | | | | |
| Power consumption (mA) | 100 | 100 | 300 | 350 | 400 |
| XY resolution | 2.5 dpi | | | | |
| Z resolution | 8 bit | | | | |
| Acquisition frequency | from 5 to over 400 Hz selectable | | | | |
| Type of interface | USB 2.0 | | | | |
| Dimensions (mm) | 440x620 | 840x620 | 1640x620 | 2440x620 | 3240x620 |
| Thickness | 8 mm | | | | |
| Weight (Kg) | 6,3 | 7,5 | 14,5 | 21 | 29 |
| Type of sensor | resistive conductive rubber contacts in gold | | | | |
| Scan Type | matrix scan | | | | |
| Calibration | 10 bit automatic | | | | |
| Temperature range | 0° C 55° C | | | | |
| Max pressure | 150N/cm ² | | | | |
| Sensor Life | 1.000.000 of cycles | | | | |
| Product Certification | CE | | | | |
| EMC standard | EN 6240-1-2-3 | | | | |

