

# Electronic Foot Sensor Plate

## PODIASTAT



Podiastat is the most accurate, simple, slim, portable and cost effective with improved features and output.

The foot pressure sensor plate Podiastat records and evaluates pressure distribution under the foot in static(weight-bearing), dynamic(walking) and postural imbalance conditions. This tool is for the early recognition of altered pressure patterns in the individuals with diabetes. It was documented that during walking the neuropathic patients exhibit a slap gait. Information derived are important in gait posture research for diagnosing lower limb problems, footwear designs, sports biomechanics, injury prevention and other applications.

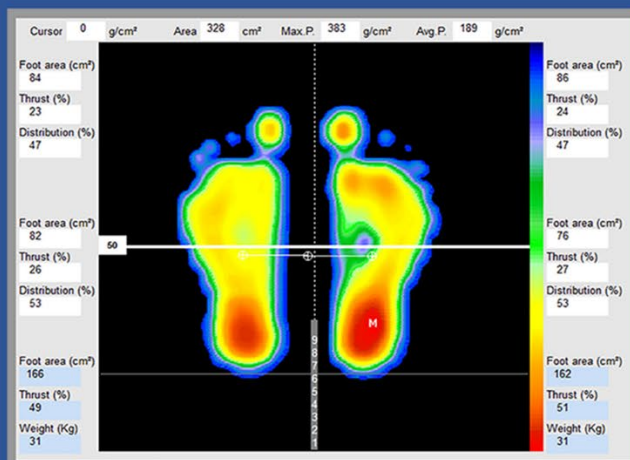


Static (Standing) Measurement	Dynamic (Walking) Measurement	Postural Measurement
Helps to identify the weight bearing of foot	Helps to assess the foot in motion	Assess Postural steadiness
Helps to identify leg length variation	Gait line display	Body sway assessed with COP
2D, 3D, 1:1 foot print and many more input	View of walking frame by frame as video	Quantified postural variation
Text, Angle and many more annotations	Storage of video for presentaion	Postural path analysis
Foot Pressure with foot saved as an image	3D, 1:1 printout and many more	Pressure distribution
Reports saved as pdf	Pressure, Force & Contact graph	

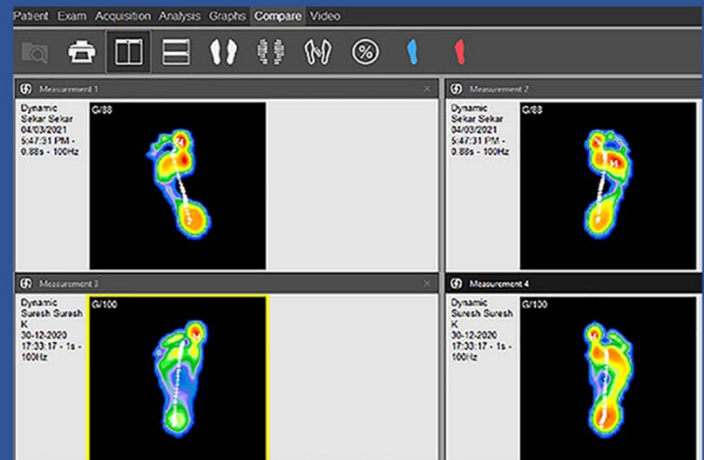
## Technical Specifications:

<b>Active Sensor Area</b>	<b>400mm x 400mm</b>
<b>Sensor type</b>	<b>Calibrated Resistive</b>
<b>Dimensions (L x W x H)</b>	<b>565mm x 612mm x 22mm</b>
<b>Weight</b>	<b>3 Kg</b>
<b>Sensor Size</b>	<b>8mm x 8mm</b>
<b>Sensor Matrix Nos</b>	<b>1600 (40 x 40)</b>
<b>Maximum Load</b>	<b>200 kg</b>
<b>Maximum Pressure in N/cm<sup>2</sup></b>	<b>100</b>
<b>Data acquisition frequency</b>	<b>&gt;100 Hz</b>
<b>Computer interface</b>	<b>USB connected</b>
<b>Operating system</b>	<b>Windows 7/8/10</b>
<b>Power supply</b>	<b>USB powered</b>

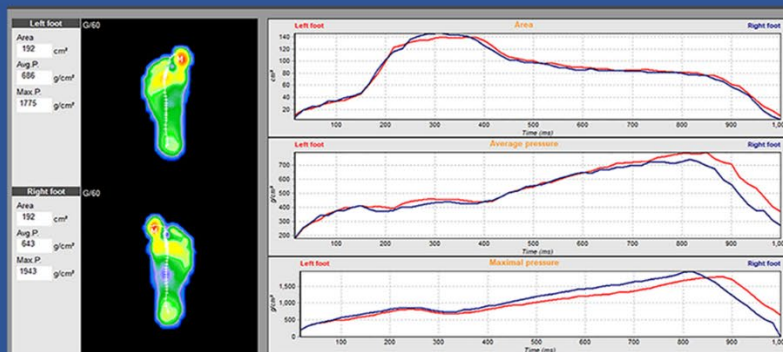
## Static Measurement



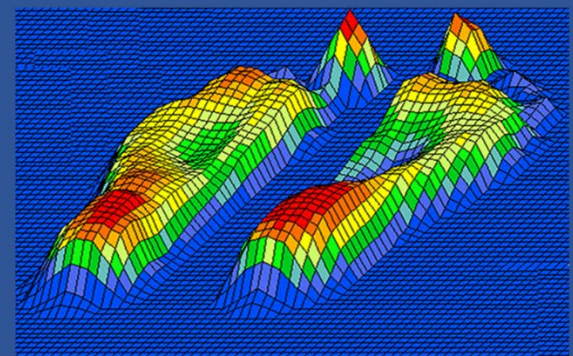
## Comparison of multiple patients



## Dynamic Measurement



## 3D Image



**Diabetic Foot Care India Pvt Ltd**

18/1, Kannappa Nagar 3<sup>rd</sup> main Road, Thiruvannmiyur  
Chennai – 600041, INDIA.

Phone: +91-44-43564129/43590510; +91-9382206047

Email: mesmedi@gmail.com URL : [www.diabeticfootcareindia.com](http://www.diabeticfootcareindia.com)