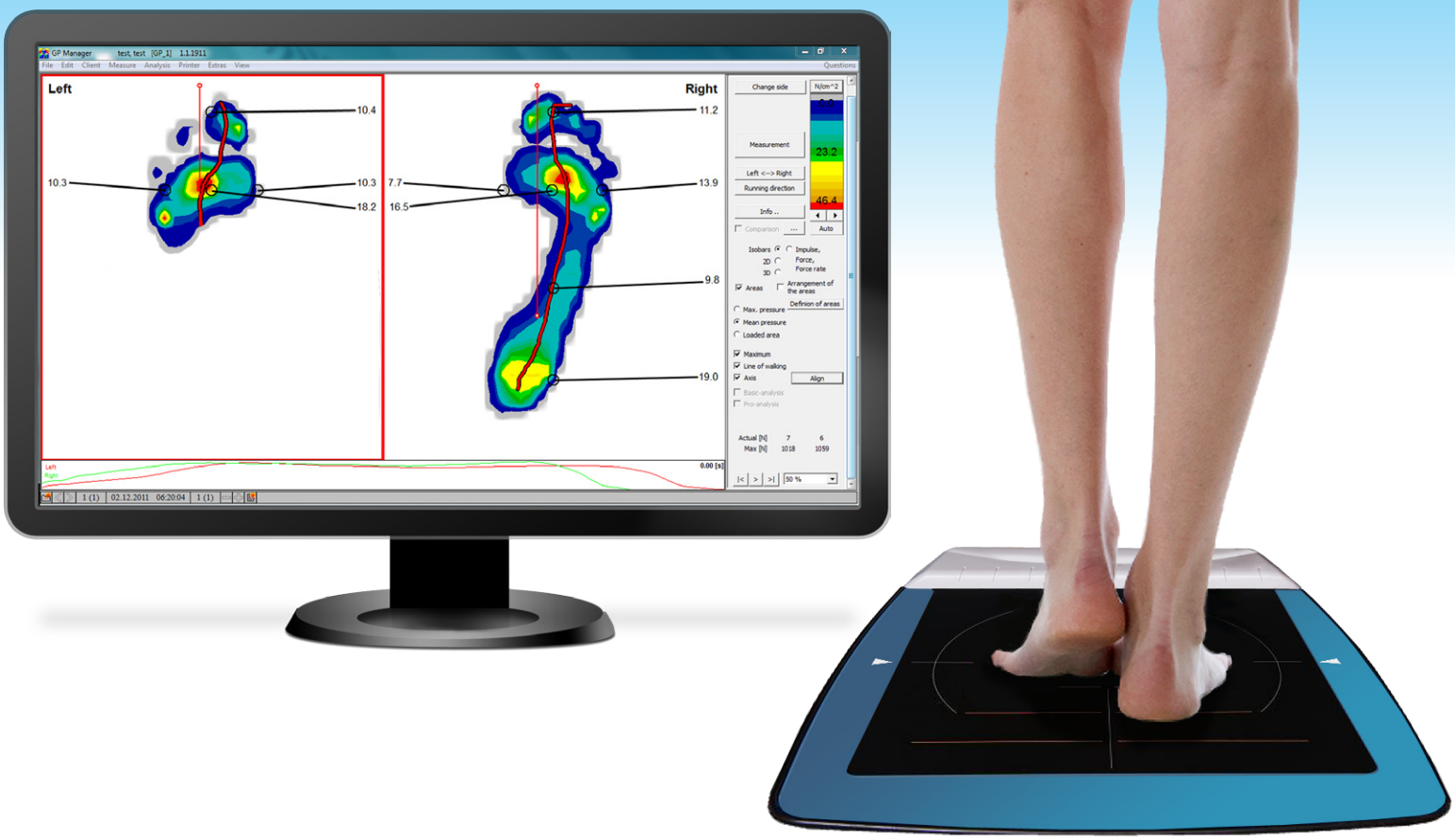
Go-tec®
FOOT MAPPING SENSOR SYSTEM



WHAT IS THE GO-TEC® FOOT MAPPING SENSOR

The Go-tec® foot mapping sensor system is the most efficient and accurate way to assess gait analysis, foot pressure points and athletic plantar impacts. Real-time pressure profiling provided by Go-tec® enables precise and immediate evaluations of conditions related to the diabetic foot, analysis of the weight bearing capability and conformability of orthotic and prosthetic devices, and assesses molt of impact effects from various bipedal locomotion activities of both feet, either exclusive or in relation to each other, all in ultra high speeds.

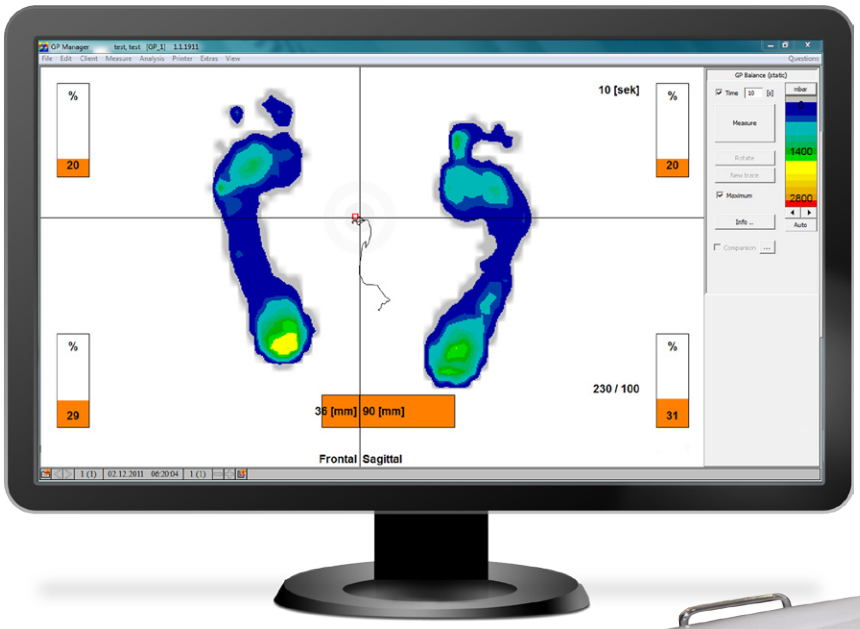
HOW GO-TEC® WORKS

The Go-tec® sensor element instantly collects pressure data and sends it as an analog signal back to an intermediary data “hub,” where it is converted to a digital signal. The digital signal is then sent to an interface (software) configured for easy viewing and dynamic analysis capabilities. Go-tec® software provides 2D, 3D, isobar and pinpoint region-of-interest image viewing, graphical displays of data in bar charts, line scans and histograms, statistical analysis of average/minimum/maximum pressures, total force over any selected area, pressure vs. time and more. The data can easily be exported for further analysis in many third party softwares.

WHY USE THE GO-TEC® SYSTEM

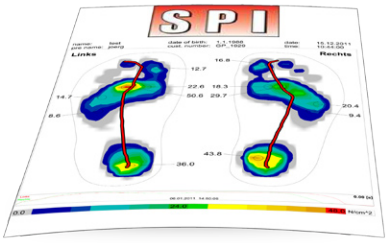
This dynamic foot plate sensor employs the pressure sensing design principle of resistance which gives Go-tec® great advantages in both adaptability and customization. This robust sensor lasts thousands of uses with consistent repeat-ability, accuracy and maintains its high resistance to electromagnetic noise, temperature and humidity fluctuations. Conveniently portable, a complete Go-tec® foot mapping sensor system weighs less than ten pounds.

Go-tec® Software Foot Mapping System

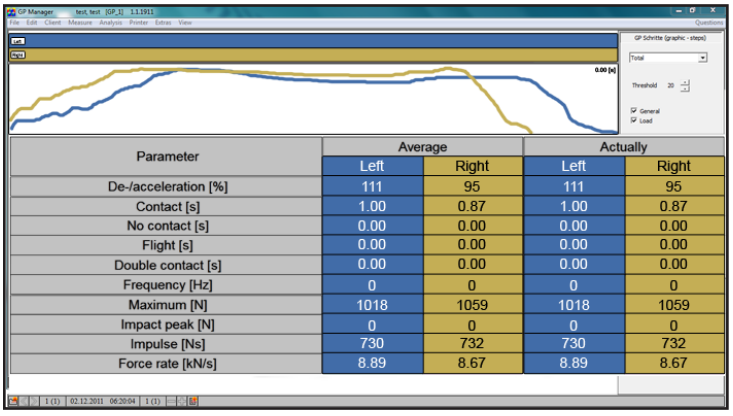


System Benefits

- A truer orthotic fit
- Projection of scientific validity and precision to patients
- Fully customization of software is available to promote your practice
- Customer takeaway (printout) has high visual impact and pass-along value



Patient printout



Parameter	Average		Actually	
	Left	Right	Left	Right
De-/acceleration [%]	111	95	111	95
Contact [s]	1.00	0.87	1.00	0.87
No contact [s]	0.00	0.00	0.00	0.00
Flight [s]	0.00	0.00	0.00	0.00
Double contact [s]	0.00	0.00	0.00	0.00
Frequency [Hz]	0	0	0	0
Maximum [N]	1018	1059	1018	1059
Impact peak [N]	0	0	0	0
Impulse [Ns]	730	732	730	732
Force rate [kN/s]	8.89	8.67	8.89	8.67

Analysis View

Sensor Specifications

TECHNOLOGY	Resistive
NUMBER OF SENSORS	2,304 (Arranged in a 48 x 48 Matrix)
SPATIAL RESOLUTION	0.31 in. (8 mm)
SENSING AREA	15 in. x 15 in. (38 cm x 38 cm)
DATA RESOLUTION	12-bit
PRESSURE RANGE	0.72 to 30 PSI (0.05 to 2.10 kg/cm^2)
DATA ACQUISITION FREQUENCY	180 Hz
ACCURACY	±10%
PLATFORM HEIGHT	0.25 in. (0.63 cm)
WEIGHT	9.25 lbs. (4.2 kg)
OPERATING SYSTEM	Windows XP / 7
CONNECTION METHOD	USB / Wireless
OPERATING TEMP. RANGE	5°F to 86°F (-15°C to 30°C)
STORAGE TEMP. RANGE	32°F to 104°F (0°C to 40°C)

TACTILE PRESSURE EXPERTS
SPI
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