

LaiTronic LFP ACTIVE

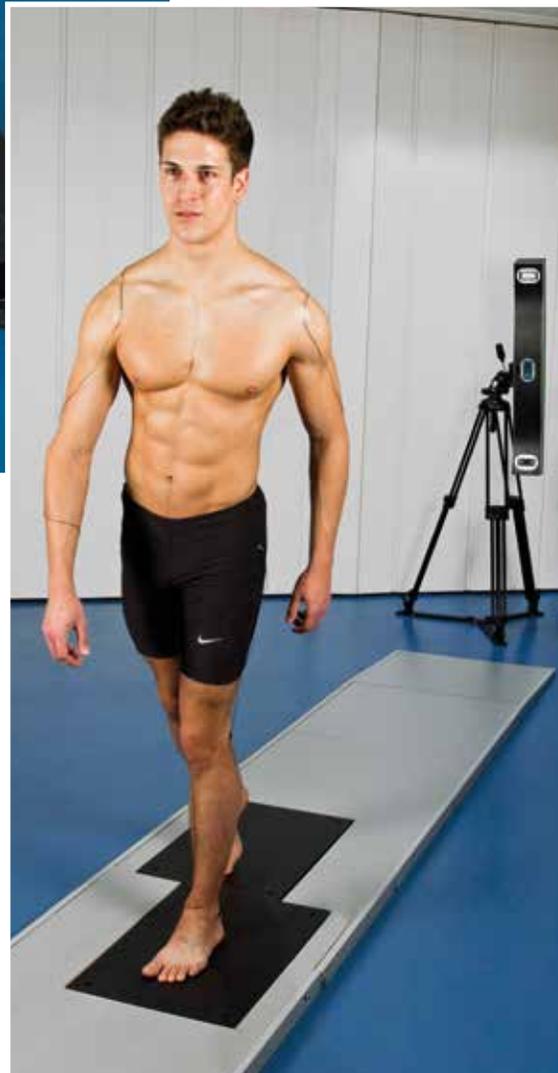
PORTABLE 3D FORCE PLATE



OUTSTANDING PERFORMANCE AND COST-EFFECTIVENESS

The LFP ACTIVE force plate stands for excellent performance during daily operation. Long-lasting, high-grade components ensure top quality and the highest degree of reliability. The robust strain gauge technology withstands heavy use and delivers precise dynamic data such as center of pressure (CoP), ground reaction forces, and momentum.

Furthermore, the LFP ACTIVE also satisfies due to its balanced price/performance ratio - ideal for all users concerned about the optimal cost effectiveness of their systems.



Secure maximum flexibility with the versatile and portable LFP ACTIVE 3D force plate by LaiTronic!

Whether seeking a comprehensive motion analysis lab or the mobile measurement of dynamic data in stand-alone operation - with LFP ACTIVE by LaiTronic you are free to choose.

Ideally, you combine the LFP ACTIVE force plates with the LaiTronic MCU motion capturing systems developed perfectly in tune with each other. In this manner, the systems can be extended with up to four LFP ACTIVE force plates. The LFP ACTIVE can also be combined with all conventional motion analysis systems, for even more flexibility in biomechanical and sports science applications.

If the force plate is used without a tracking unit, existing software can be used to collect the analog signals. You obtain full freedom for your research purposes when combining the force plate with the versatile and freely-configurable AS X-PLORE analysis software by LaiTronic.

At only 15 kg, this lightweight unit can be quickly set up and adapted to almost every flat surface.



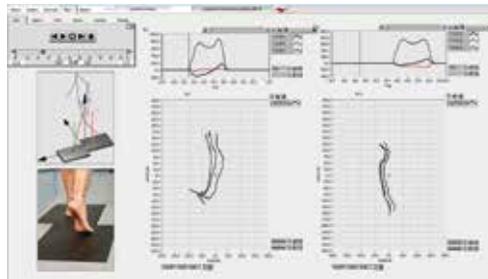
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HIGHLIGHTS

- Optimum cost effectiveness
- Portable use, easy to store
- Individual walkway configurations upon request
- Robust and durable
- Precise, proven strain gauge technology
- Integrated amplifier
- Ideal complement to MCU camera units



TECHNICAL DATA

Dimensions	W x L x H	400 x 600 x 49 mm (with feet) 400 x 600 x 33 mm (without feet)
Measuring range	F_x, F_y F_z	-3 ... +3 kN -8 ... +8 kN
Overload	F_x, F_y F_z	-5 ... +5 kN -10 ... +10 kN
Linearity	% FSO	< 1.5
Hysteresis	% FSO	< 0.5
Crosstalk	$F_x \leftrightarrow F_y$ $F_z \rightarrow F_y$ $F_z \rightarrow F_x$	< 1 % < 1 % < 2 %
Max. COP error	a_x a_y	≤ 3 mm ≤ 3 mm
Natural frequency	$f_n(x, y, z)$	160 Hz
Temperature range		-10° C ... +60° C
Weight		15 kg

Subject to change without any further notice.