Arsalis SPRL
http://www.arsalis.com

Force plates specifications datasheet 02/06/2008

The table below presents the specifications for a 500x800 mm force plate

Model name	Arsalis 800*500
Model type	large 3D
Calibration	calibration system included for Fx, Fy, Fz
Amplifier	included (8 channels, 4 stages amplification x1,x2,x4,x8)
Measuring range Fx, Fy, Fz	up to 9.8 kN
Sensitivity Fx,Fy,Fz	1.6 - 3.2 - 6.4 - 12.8 mV/N
Noise rejection Fx,Fy,Fz	Low pass filter: Bessel 4th order filter with Fc = 150 Hz
Resonance frequency	> 200 Hz
Power supply	240 V, 50 Hz. Fuse: 250 mA.
Minimal measurable force	0.025 kg (14.2 efficient bits of a 16 bits AD converter)
Operating temperature range	0-60 °C
Length	800 mm
Width	500 mm
Height	97 mm or 132 mm with ground fixation base
Connection	TCP-IP and/or analog DB15
Sealing	Aluminum honeycomb top surface
Transducer type/composition/F max (x,y,z)	strain gauges/aluminum/30 kN
Mass	~35 kg
Ground fixation	~35 kg aluminum base fixed on floor on which the force plates can be mounted
software	included. All basic functions are implemented in the dedicated software: Setup, Calibration, Acquisition, signals display, ASCII files saving. Some Analysis routines are also included or can be developed on request. Contact us or download the Software document for more details

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