
FDM-TS70 and FDM-TS70L treadmill system for stance and gait analysis



The appropriate treadmill for every application: The treadmill systems FDM-TS70 and FDM-TS70L allow for dynamic stance and gait analysis on the treadmill via pressure distribution sensor technology underneath the belt.

The FDM-TS70 and FDM-TS70L treadmills are characterized by an extremely smooth running, their low weight and compact dimensions. They are suitable for gait and running analysis in the shoe orthopedic industry and also in sports retail stores.

- Stable treadmill ergometer with extremely smooth running and big sensor area
- Sensor matrix with individually calibrated, capacitive pressure sensors
- Analysis of the pressure, time and step parameters and the gait symmetry
- USB interface to control the treadmill
- Software with database, real-time analysis, signal viewer, report generator and data export function
- Optionally combinable with EMG and video

Technical data FDM-TS70 and FDM-TS70L

Treadmill		TS70L and TS70
Speed	0,8 - 20 km/h (adjustable in steps of 0.1 km/h)	
Running area	145 x 50 cm	
Motor	2.2 kW	
Weight	135 kg	
Dimensions (L x W x H)	189 x 84 x 137 cm	
Step height	18 cm	
Incline adjustment	0 - 15 % (adjustable in steps of 1 %)	
Max. user weight	159 kg	
Colour	light-grey / black	
FDM sensor		TS70L
Measuring range	1 - 120 N/cm ²	
Sampling rate	100 Hz	
Sensor area	94.8 x 40.6 cm	
Number of sensors	5,376	
Accuracy	5 % (FS)	
Hysteresis	< 3 %	
Interface	SYNC IN/OUT and Video SYNC	
PC interface	USB	
FDM sensor		TS70
Measuring range	1 - 120 N/cm ²	
Sampling rate	120 Hz optional 240 Hz	
Sensor area	2i: 111.8 x 49.5 cm; 3i: 108.4 x 47.4 cm	
Number of sensors	2i: 3,432; 3i: 7,168	
Accuracy	5 % (FS)	
Hysteresis	< 3 %	
Interface	SYNC IN/OUT and Video SYNC	
PC interface	USB	