

LCS1000 Stiffness Tester Specifications		
Load Frame		
Maximum Opening	mm	1,100
Minimum Opening	mm	100
Machine Capacity	kN	65
Machine Capacity	tons	6.5
Number of Screw	#	2
Crosshead Travel	mm	1,000
Maximum Testing Speed	mm/min	400
Minimum Testing Speed	mm/min	10
Jog Speed	mm/min	400
Speed Accuracy	% of F.S.	0.1
Displacement Resolution	mm	0.1
Load Module		
Applied force accuracy 0.5% conforms to ISO 5893, ISO 7500-1, EN10002-2, DIN 51221, ASTM E4, BS1610		
Accuracy: 0.5% from 0.65kN to 65kN and 1% from 0.33kN to 0.65kN		
Load Cell Manufacturer Calibration Certificate	Standard	
Calibration on Installation	Standard	
Capacity	kN	65
Resolution	N	1
Resolution	kg	0.1
Load Cell Accuracy	% of F.S.	0.04
Load Cell Non-linearity	% of F.S.	0.03
Load Cell Hysteresis	% of F.S.	0.02
Load Cell Repeatability	% of F.S.	0.01
Load Cell Safe Overload	% of F.S.	150
Machine Dimensions		
Overall Height	mm	1,650
Overall Width	mm	1,250
Overall Depth	mm	800
Weight (± 15 kgs)	kg	600
Power Requirements		
Voltage	Volts	220-240V 1 Phase
Current	Amps	13
Cycle	Hz	50/60
Safety Features		
Conforms to CE essential hazard and safety requirements		
Emergency stop cuts power from drive system		
On/Off switch cuts power from drive system		
Overtravel limit switches cut power from drive system		
End of travel limit switches stop drive system		
Resident firmware stops machine in case of overload		
Software Modules to following Test Standards		
ISO 7685, ISO 10466, EN 1226, EN 1228, DIN 1226, DIN 1228, DIN 53769-3, DIN 16868-2, ASTM D 2412.		