

CT-5000

5000N Capacity

C-Frame

Servo Driven

PC Controlled

Connects externally to a PC via USB and/or Serial ports.



Specifications

Load	<ul style="list-style-type: none"> <input type="checkbox"/> Load Capacity 5000N (1680.0lbf) <input type="checkbox"/> Load Resolution 0.10N (0.0224lbf) <input type="checkbox"/> Load Accuracy per ISO 7500 /1 Class 0.5 (0.5% of load, between 0.5% capacity up to full capacity) <input type="checkbox"/> Continuous digital display or Force/Load height graphical analysis tools and display <input type="checkbox"/> Safe overload to 150% of FS (compression and tension overload protection at 100% of FS load) 	
Stroke	<ul style="list-style-type: none"> <input type="checkbox"/> Stroke 500mm (20") for both Standard and HS Models <input type="checkbox"/>1000mm(40") Optional for HS Model <input type="checkbox"/> Resolution: 0.008mm (0.00031") for 500mm stroke on Standard Models <input type="checkbox"/> Resolution: 0.00025mm (0.000098") for 500mm and 1000mm stroke –HS Model <input type="checkbox"/> Accuracy: $\pm 0.04\text{mm}$ ($\pm 0.0015"$) for 500mm stroke on Standard Models. Absolute display of load height above a user defined fixed reference. <input type="checkbox"/> Accuracy: $\pm 0.01\text{mm}$ ($\pm 0.00039"$) for 500 and 1000mm stroke for HS Model, Accuracy: better than 0.005mm– Available with independent Calibration for HS Model <input type="checkbox"/> 120mm (4.7") 	
Platten Diameter	<ul style="list-style-type: none"> <input type="checkbox"/> Automatically determined <input type="checkbox"/> Conductive contact Frelength module optional 	
Free Length	<ul style="list-style-type: none"> <input type="checkbox"/> Automatic or manual determination of spring rate (linear analysis), option for characterization of non-linear rates (e.g. conical springs) 	
Spring rate		
Initial tension	<ul style="list-style-type: none"> <input type="checkbox"/> Automatic detection of tension spring initial tension. 	
Computer	<ul style="list-style-type: none"> <input type="checkbox"/> Intel dual Core (minimum) processor <input type="checkbox"/> Serial or USB connection to PC for control and data transfer <input type="checkbox"/> Laptop optional. <input type="checkbox"/> Fully Microsoft Windows Win7 and Win 10 compatible 	Display 17" Monitor with PC option.
Languages	<ul style="list-style-type: none"> <input type="checkbox"/> English, German, French, Russian, and Turkish 	
Software Features	<ul style="list-style-type: none"> <input type="checkbox"/> Programmable for automated testing, Includes frelength, initial tension and spring rate results. Solid Height detection included. <input type="checkbox"/> Full reporting and printing capability available. <input type="checkbox"/> On-Line and off-line SPC control charts and Cpk capability testing available. <input type="checkbox"/> Design and reverse engineering algorithms <input type="checkbox"/> Smart self calibration routines <input type="checkbox"/> Fatigue module available with HS Model <input type="checkbox"/> N, kgf, gf, ozf, lbf – mm, inches 	
Units		
Test speeds	<ul style="list-style-type: none"> <input type="checkbox"/> 1.5mm/s – 15mm/s (3.5"/min – 35.5"/min) <input type="checkbox"/> 4 distinct speed settings available Standard Model <input type="checkbox"/> 0.1mm/s – 160mm/s (0.236"/min-378"/min) HS Model <input type="checkbox"/> 12 distinct speed settings available HS Model 	
Dimensions	<ul style="list-style-type: none"> <input type="checkbox"/> Standard Model <input type="checkbox"/> 32 x 70 x 110 cm <input type="checkbox"/> (12.6" x 27.5" x 43.3") <input type="checkbox"/> Weight 200 kg (440lbf) 	<ul style="list-style-type: none"> <input type="checkbox"/> HS Model <input type="checkbox"/> 32 x 70 x 115 cm <input type="checkbox"/> (12.6" x 27.5" x 45.2") <input type="checkbox"/> Weight 200 kg (440lbf)
LXBXH		
Power	<ul style="list-style-type: none"> <input type="checkbox"/> 110V~220V AC 9A (Maximum) 	



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