

CT-200

200N Capacity

C-Frame Compression/Extension Spring Tester

Servo Driven, PC Controlled

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



HS Model



Standard Model

Specifications

Load	☐ Load Capacity 200N (45.0lbf) ☐ Load Resolution 0.004N (0.00090lbf) ☐ Load Accuracy per ISO 7500 /1 Class 0.5 (0.5% of load, between 0.5% capacity up to full capacity) ☐ Continuous digital display or Force/Load height graphical analysis tools and display ☐ Safe overload to 150% of FS (compression and tension overload protection at 100% of FS load)	
Stroke	☐ Stroke 200mm (8") Standard ☐ 500mm (20") Optional for Standard Model ☐500mm (20") HS Model ☐1000mm(40") Optional for HS Model ☐ Resolution: 0.003mm (0.0002") for 200 stroke, - Standard Model ☐ Resolution: 0.008mm (0.0005") for 500mm stroke –Optional for Standard Model ☐ Resolution: 0.00025mm (0.0000098") for 500mm and 1000mm stroke –HS Model ☐ Accuracy: ±0.02mm (±0.0008") for 200 stroke on standard model , Accuracy: ±0.04mm (±0.0015") for 500mm standard model optional stroke. Absolute display of load height above a user defined fixed reference. ☐ Accuracy: ±0.01mm (±0.00039") for 500 and 1000mm stroke for HS Model, Accuracy: better than 0.005mm– Available with independent Calibration for HS Model ☐ 55mm (2.2")	
Platten Diameter		
Free Length	☐ Automatically determined ☐ Conductive contact Frelength module optional with HS Model	
Spring rate	☐ Automatic or manual determination of spring rate (linear analysis), option for characterization of non-linear rates (e.g. conical springs)	
Initial tension	☐ Automatic detection of tension spring initial tension.	
Computer	☐ Intel dual Core (minimum) processor ☐ Serial or USB connection to PC for control and data transfer ☐ Laptop optional. ☐ Fully Microsoft Windows Win7 and Win 10 compatible	Display 17" Monitor with PC option.
Languages	☐ English, German, French, Russian, and Turkish	
Software Features	☐ Programmable for automated testing, Includes frelength, initial tension and spring rate results. Solid Height detection included. ☐ Full reporting and printing capability available. ☐ On-Line and off-line SPC control charts and Cpk capability testing available. ☐ Design and reverse engineering algorithms ☐ Smart self calibration routines ☐ Fatigue module available with HS Model ☐ N, kgf, gf, ozf, lbf – mm, inches	
Units		
Test speeds	☐ 1.5mm/s – 15mm/s (3.5"/min – 35.5"/min) ☐ 4 distinct speed settings available Standard Model ☐ 0.1mm/s – 125mm/s (0.236"/min-295.3"/min) HS Model ☐ 12 distinct speed settings available HS Model	
Dimensions	☐ Standard Model ☐ 25 x 50 x 60 cm ☐ (10" x 20" x 23.6") ☐ Weight 25 kg (55lbf)	☐ HS Model ☐ 25 x 50 x 95 cm ☐ (10" x 20" x 37.4") ☐ Weight 40 kg (88lbf)
LXBXH		
Power	☐ 110V~220V AC 4A (Maximum)	



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Specifications may change without notice