

SPRING ANALYSIS SYSTEMS

CT-Series

Tension and Compression Spring Analyzers

- 1- 35000N Capacity Servo driven programmable spring testers available
- PC Controlled - (Laptop optional).
- Excellent R+R performance
- Optional SPC control charts, capabilities tests and detailed report creation software



Range of Testers covering 1N- 35000N Load Capacity and 200mm – 1000MM Travel

- Programmable for automated testing with spring test setups stored in files for quick recall and test
- Automated loading, testing and sorting capabilities.
- Includes automatic Self Calibration Routines
- Fully Microsoft Windows 2000 and XP compatible.



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Specifications

Model	Load Capacity		Load Resolution		Load Accuracy		Standard Stroke		Platten Diameter	
	N	Lbf	N	Lbf	±N	±lbf	mm	in	mm	in
CT-10	10	2.25	0.0002	0.000045	0.0004	0.00009	200	8	55	2.2
CT-200	200	45	0.004	0.0009	0.008	0.0018	200	8	55	2.2
CT-500	500	112	0.01	0.0022	0.02	0.0045	200	8	55	2.2
CT-2000	2500	560	0.05	0.011	0.10	0.022	500	20	80	3.15
CT-5000	7500	1680	0.5	0.112	1.0	0.23	500	20	100	4
CT-10000	10000	2250	0.5	0.112	1.0	0.23	1000	40	200	8
CT-20000	20000	4500	1.0	0.224	2	0.46	1000	40	200	8
CT-30000	35000	7850	2.0	0.400	3.5	0.8	1000	40	400	16

CT-10, CT-200, CT-500, CT-2000 and CT-5000 configuration



CT-10000, CT-20000 and CT-30000 configuration



Load Stroke Free Length Spring rate Initial tension Computer Languages Software Features Units Test speeds Power	<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)	
	<input type="checkbox"/> Resolution: 0.003mm (0.0002") for 200 stroke, Resolution: 0.008mm (0.0005") for 500mm stroke and Resolution: 0.016mm (0.0008") for 1000mm stroke <input type="checkbox"/> Accuracy: ±0.02mm (±0.0008") for 200 stroke, Accuracy: ±0.04mm (±0.0015") for 500mm stroke and Accuracy: ±0.05mm (±0.0020") for 1000mm stroke <input type="checkbox"/> Absolute display of load height above a user defined fixed reference.	
	<input type="checkbox"/> Automatically determined	
	<input type="checkbox"/> Automatic or manual determination of spring rate (linear analysis), option for characterization of non-linear rates (e.g. conical springs)	
	<input type="checkbox"/> Automatic detection of tension spring initial tension.	
	<input type="checkbox"/> Intel 2.4GHz (minimum) processor with 128Mbyte of RAM <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 2000, and XP compatible	<input type="checkbox"/> Display 17" Monitor with PC option.
	<input type="checkbox"/> English, German, French and Spanish	
	<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"/> N, kgf, gf, ozf, lbf – mm, inches	
	<input type="checkbox"/> 1.5mm/s – 15mm/s (3.5"/min – 35.5"/min)	
<input type="checkbox"/> 110V~220V AC 6.5A (Maximum)		

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