

CT-500



HR Model



Standard Model

Specifications

Load	<ul style="list-style-type: none"><input type="checkbox"/> Load Capacity 500N (112.1lbf)<input type="checkbox"/> Load Resolution 0.01N (0.00225lbf)<input type="checkbox"/> Load Accuracy at 0.5% of Range $\pm 0.0125N$ ($\pm 0.002803lbf$)<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 200mm (8") Standard<input type="checkbox"/> 500mm (16") Optional for Standard Model<input type="checkbox"/>500mm (16") HR Model<input type="checkbox"/> Resolution: 0.003mm (0.0002") for 200 stroke, - Standard Model<input type="checkbox"/> Resolution: 0.008mm (0.0005") for 500mm stroke –Optional for Standard Model<input type="checkbox"/> Resolution: 0.00025mm (0.0000098") for 500mm stroke –HR Model<input type="checkbox"/> Accuracy: $\pm 0.02mm$ ($\pm 0.0008"$) for 200 stroke on standard model , Accuracy: $\pm 0.04mm$ ($\pm 0.0015"$) for 500mm standard model optional stroke. Absolute display of load height above a user defined fixed reference.<input type="checkbox"/> Accuracy: $\pm 0.01mm$ ($\pm 0.00039"$) for 500 stroke for HR Model, Accuracy: better than 0.005mm– Available with independent Calibration for HR Model<input type="checkbox"/><input type="checkbox"/> 55mm (2.2")
Platten Diameter	<ul style="list-style-type: none"><input type="checkbox"/> Automatically determined
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	<ul style="list-style-type: none"><input type="checkbox"/> Automatic detection of tension spring initial tension.
Initial tension	<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
Computer	<ul style="list-style-type: none"><input type="checkbox"/> 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 HR Model<input type="checkbox"/> N, kgf, gf, ozf, lbf – mm, inches
Units	<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 – 125mm/s (0.236"/min-295.3"/min) HR Model<input type="checkbox"/> 12 distinct speed settings available HR Model
Test speeds	<ul style="list-style-type: none"><input type="checkbox"/> Standard Model<input type="checkbox"/> 25 x 50 x 60 cm<input type="checkbox"/> (10" x 20" x 23.6")<input type="checkbox"/> Weight 25 kg (55lbf)
Dimensions LXBXH	<ul style="list-style-type: none"><input type="checkbox"/> HR Model<input type="checkbox"/> 25 x 50 x 95 cm<input type="checkbox"/> (10" x 20" x 37.4")<input type="checkbox"/> Weight 40 kg (88lbf)
Power	<ul style="list-style-type: none"><input type="checkbox"/> 110V~220V AC 4A (Maximum)



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