

CT-20000



Specifications

Load

- Load Capacity 20000N (4500.0lbf)
- Load Resolution 0.40N (0.09lbf)
- Load Accuracy per ISO 7500 Class 1 0.5%. Accuracy of $\pm 0.5N$ at 100N
- Recommended minimum test load: 160N (36lbf)
- 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 1000mm (40") Standard
- Resolution: 0.0001mm (0.0000039") for 1000mm stroke
- Accuracy: $\pm 0.01mm$ (± 0.0004 ") for 1000mm stroke.
- Absolute display of load height above a user defined fixed reference.

Platten Diameter Free Length Spring rate

- 300mm (11.87") using 3 loadcells for optimum stiffness and off-center loading capacity

Initial tension Computer

- Automatically determined
- Automatic or manual determination of spring rate (linear analysis), option for characterization of non-linear rates (e.g. conical springs)
- Automatic detection of tension spring initial tension.
- Intel dual Core (minimum) processor
- Serial or USB connection to PC for control and data transfer
- Laptop optional.
- Fully Microsoft Windows Win10 and Win11 compatible

Display 23"
Monitor with
PC option.

Languages

- English, German, French and Spanish
- 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

Software Features

Units Test speeds Power

- N, kgf, gf, ozf, lbf – mm, inches
- 0.03mm/s – 50mm/s (0.071"/min – 120"/min)
- 110V~220V AC 16A (Maximum).. 3 phase 360-480VAC available



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