

CT-20000HS

**20000N Capacity
C-Frame Compression/Extension Spring Tester
Servo Driven, PC Controlled
Built in PC and Monitor
Floor Standing.**



Specifications

Load

- Load Capacity 20000N (4500.0lbf)
- Load Resolution 0.4N (0.088lbf)
- Load Accuracy per ISO 7500 /1 Class 0.5 (0.5% of load, between 0.5% capacity up to full capacity)
- Load Accuracy: $\pm 0.50N$ (0.112lbf) at 100N (22.4lbf) and better than $\pm 100N$ ($\pm 22.4lbf$) at 20000N (4500lbf) (Better Than ISO 7500/1 Class 0.5)
- Minimum Recommended 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

- 1000mm(40")
- Standard Stroke Accuracy: $\pm 0.01mm$ ($\pm 0.00039"$) for 1000(40") stroke
- Accuracy: better than 0.005mm(0.000196") – Available with independent Calibration
- 200mm (7.87")

Platten

Diameter

Free Length

Spring rate

Initial tension

Computer

- Automatically determined
- Conductive contact Frelength module optional
- 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 Win 11 compatible

Display 23"
Monitor with
Built in PC.

Languages

Software

Features

Units

Test speeds

- English, German, French, Russian, and Turkish
- 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
- N, kgf, gf, ozf, lbf – mm, inches
- 0.03mm/s – 50mm/s (0.071"/min-120"/min)
- 12 distinct speed settings available HS Model
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Dimensions

LXBXH

Power

- Floor Standing
- 44 x 70 x 160 cm
(17.3" x 27.5" x 63")
- Weight 350 kg (770lbf)
- 110V~220V AC 16A (Maximum)



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