

CT-2000

2000N 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 2000N (450.0lbf)
- ☐ Load Resolution 0.04N (0.0090lbf)
- ☐ 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: $\pm 0.02\text{mm}$ ($\pm 0.0008"$) for 200 stroke on standard model , Accuracy: $\pm 0.04\text{mm}$ ($\pm 0.0015"$) for 500mm standard model optional stroke. Absolute display of load height above a user defined fixed reference.
- ☐ Accuracy: $\pm 0.01\text{mm}$ ($\pm 0.00039"$) 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 Computer

- ☐ 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 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 LXBXH

- | | |
|--|--|
| <input type="checkbox"/> Standard Model | <input type="checkbox"/> HS Model |
| <input type="checkbox"/> 32 x 58 x 105 cm | <input type="checkbox"/> 32 x 58 x 105 cm |
| <input type="checkbox"/> (12.6" x 23" x 41.4") | <input type="checkbox"/> (12.6" x 23" x 41.4") |
| <input type="checkbox"/> Weight 45 kg (99lbf) | <input type="checkbox"/> Weight 45 kg (99lbf) |

Power

- ☐ 110V~220V AC 6A (Maximum)



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Specifications may change without notice