

CT-100000



Specifications

Load

- Load Capacity 100000N (22500.0lbf)
- Load Resolution 2.0N (0.450lbf)
- Load Accuracy per ISO 7500 Class 1 0.5%. Accuracy of $\pm 2.50\text{N}$ ($\pm 0.56\text{lbf}$) at 500N (112lbf)
- Recommended minimum test load: 800N (180lbf)
- 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 (0.000039") for 1000mm stroke
- Accuracy: $\pm 0.01\text{mm}$ ($\pm 0.0004"$) for 1000mm stroke.
- Absolute display of load height above a user defined fixed reference.

Platten

- 400mm (16.0")

Diameter

- Automatically determined

Free Length

- Automatic or manual determination of spring rate (linear analysis), option for characterization of non-linear rates (e.g. conical springs)

Spring rate

- Automatic detection of tension spring initial tension.

Initial tension

Computer

- 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

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

Units

- N, kgf, gf, ozf, lbf – mm, inches

Test speeds

- 0.03mm/s – 30mm/s (0.071"/min – 71"/min)

Power

- 3 phase 360-480VAC , 20Amps

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