

CT-5000PC



CT-5000PC Specifications

Load

- Load Capacity 5000N (1120.1lbf)
- Load Resolution 0.1N (0.0225lbf)
- Load Accuracy at 0.5% of Range $\pm 0.125\text{N}$ ($\pm 0.0280\text{lbf}$)
- Recommended minimum load: 40N (9lbf)
- 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

- 500mm (20") standard
- 1000mm(40") Optional
- Resolution: 0.00025mm (0.0000098") for 500mm and 1000mm stroke Model
- Accuracy: $\pm 0.01\text{mm}$ ($\pm 0.00039"$) for 500 stroke Model, Accuracy: better than 0.005mm– Available with independent Calibration for HS Model

Platten

Diameter

- 120mm (4.7")

Free Length

- Automatically determined.
- Conductive contact Frelength module optional

Spring rate

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

Initial tension

- Automatic detection of tension spring initial tension.

Computer

- Intel dual Core (minimum) processor
- Built-In PC.
- Fully Microsoft Win10 and Win11 compatible

Display 22"
Touch Screen
Built – In
Monitor.

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
- N, kgf, gf, ozf, lbf – mm, inches

Units

Test speeds

- 0.03mm/s – 160mm/s (0.071"/min-378"/min)
- 12 distinct speed settings

Power

- 110V~220V AC 9A (Maximum)



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