CT-2000PC


PHILIPS
CT-100-PC
WWW.SASTESTERS.COM
Spring Analysis Systems

CT-2000PC
Specifications

Load

- Load Capacity 2000N (450lbf)
- Load Resolution 0.04N (0.009lbf)
- Load Accuracy per ISO 7500 /1 Class 0.5 (0.5% of load, between 0.5% capacity up to full capacity)
- Recommended minimum load:16N (3.6lbf)
- 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: ±0.01mm (±0.00039”) for 500 stroke Model, Accuracy: better than 0.005mm– Available with independent Calibration for HS Model

Platten Diameter

- 80mm (3.15”)

Free Length

- Automatically determined.
- Conductive contact Freelength 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 freelength, 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

Units

- N, kgf, gf, ozf, lbf – mm, inches

Test speeds

- 0.1mm/s – 125mm/s (0.236”/min-295.3”/min)
- 12 distinct speed settings

Power

- 110V~220V AC 4.5A (Maximum)

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Spring Analysis Systems

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