CT-2000


UP
DOWN
START
SAVE
CT-2000
WWW.SASTESTERS.COM
Spring Analysis Systems

Specifications

Load

- Load Capacity 2500N (560.0lbf)
- Load Resolution 0.05N (0.0110lbf)
- Load Accuracy ±0.10N (±0.022lbf)
- 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 500mm (20”) for both Standard and HR Models
- Resolution: 0.008mm (0.00031”) for 500mm stroke on Standard Models
- Resolution: 0.00025mm (0.0000098”) for 500mm stroke –HR Model
- Accuracy: ±0.04mm (±0.0015”) for 500mm stroke on Standard Models. Absolute display of load height above a user defined fixed reference.
- Accuracy: ±0.01mm (±0.00039”) for 500 stroke for HR Model, Accuracy: better than 0.005mm– Available with independent Calibration for HR Model

Platten Diameter

- 80mm (3.15”)

Free Length

- Automatically determined

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
- 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 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 available with HR Model

Units

- N, kgf, gf, ozf, lbf – mm, inches

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) HR Model
- 12 distinct speed settings available HR Model

Dimensions LXBXH

- Standard Model
- 32 x 58 x 105 cm
- (12.6” x 23” x 41.4”)
- Weight 45 kg (99lbf)

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Power

- 110V~220V AC 6.5A (Maximum)

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