CT-10000

Specifications

Load
- ❑ Load Capacity 10000N (2250.0lbf)
- ❑ Load Resolution 0.20N (0.045lbf)
- ❑ Load Accuracy per ISO 7500 Class 1 0.5%. Accuracy of ±0.25N at 50N
- ❑ Recommended minimum test load: 80N (18lbf)
- ❑ 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 (0.0000039") for 1000mm stroke
- ❑ Accuracy: ±0.01mm (±0.0004") for 1000mm stroke.
- ❑ Absolute display of load height above a user defined fixed reference.

Platten Diameter
- ❑ 300mm (11.87") using 3 loadcells for optimum stiffness and off-center loading capacity

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   Win10 and Win11 compatible

Display 23" Monitor with PC option.

Languages
- ❑ English, German, French and Spanish

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
- ❑ 0.03mm/s – 50mm/s (0.071"/min – 120"/min)

Power
- ❑ 110V~220V AC 16A (Maximum).. 3 phase 360-480VAC available

SAS Inc.
Spring Analysis Systems