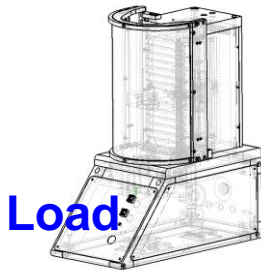
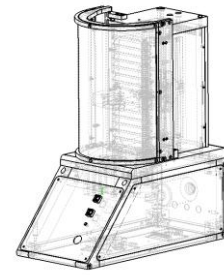


CT-10





Specifications



Load

- Load Capacity 10N (2.25lbf)
- Load Resolution 0.0002N (0.00045lbf)
- Load Accuracy $\pm 0.0004\text{N}$ ($\pm 0.0009\text{lbf}$)
- 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 200mm (8") Standard
- 500mm (16") Optional
- Resolution: 0.003mm (0.0002") for 200 stroke, - Standard
- Resolution: 0.008mm (0.0005") for 500mm stroke
- Accuracy: $\pm 0.02\text{mm}$ (± 0.0008 ") for 200 stroke, Accuracy: $\pm 0.04\text{mm}$ (± 0.0015 ") for 500mm stroke Absolute display of load height above a user defined fixed reference.

Platten

- 55mm (2.2")

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 XP and Win7 compatible

Display 17"
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

- 1.5mm/s – 15mm/s (3.5"/min – 35.5"/min)

Power

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



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