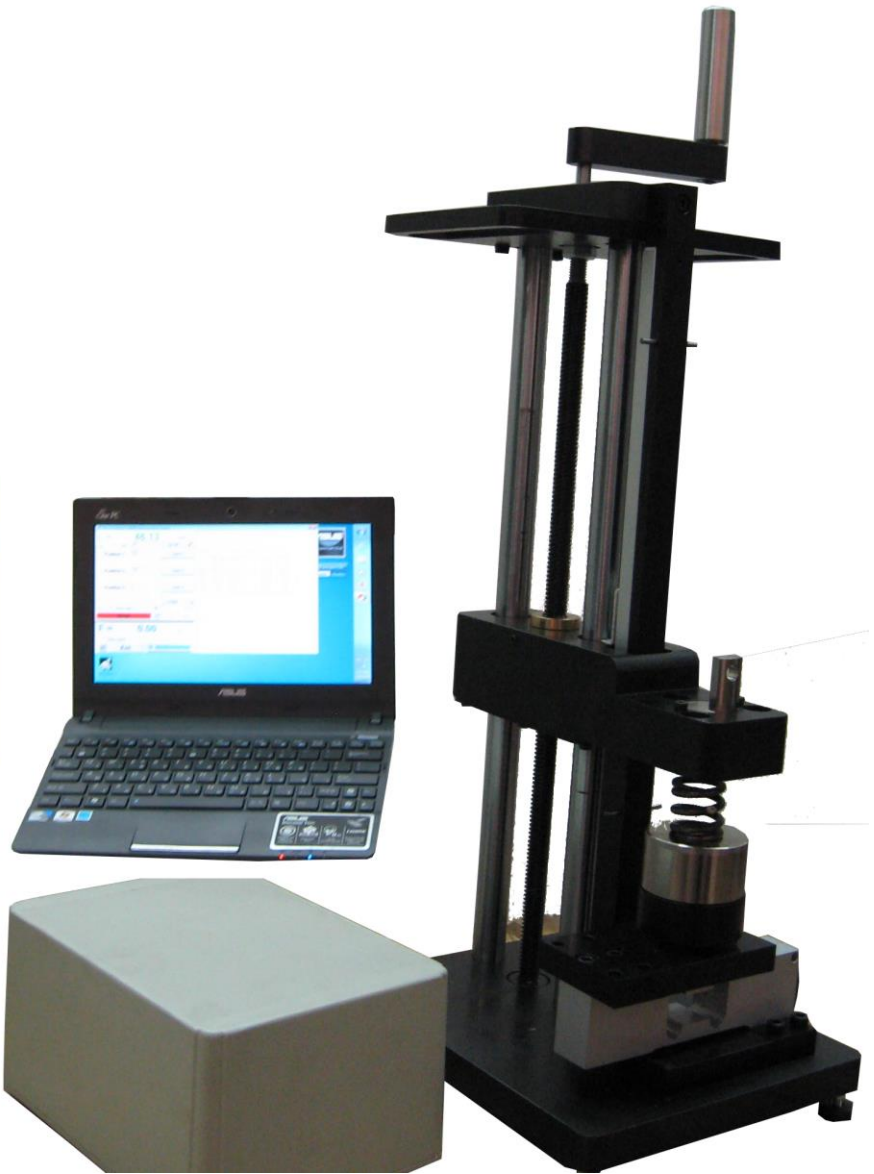
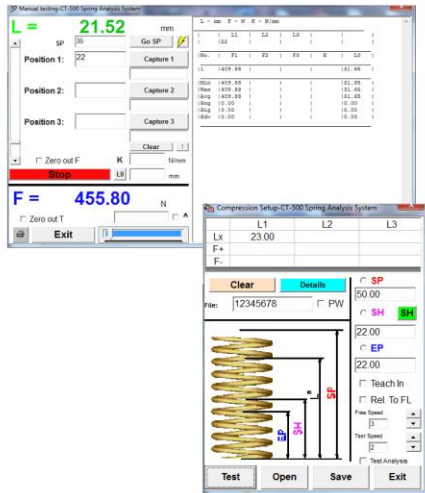


# CTMS-100PC



## Specifications

### Load

- Load Capacity 100N (22.5lbf)
- Load Resolution 0.002N (0.00045lbf)
- Load Accuracy  $\pm 0.005N$  ( $\pm 0.00112lbf$ ) at 1.0N (0.225lbf)
- 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
- Resolution: 0.003mm (0.000118") for 200 stroke, - Standard
- Accuracy:  $\pm 0.02mm$  ( $\pm 0.00079$ ") for 200 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 and Win10 compatible

### Languages

- English, German, French, Russian and Turkish

### Software

- Programmable for automated testing, Includes frelength, initial tension and spring rate results.

### Features

- Full reporting and printing capability available.
- On-Line and off-line SPC control charts and Cpk capability testing available.
- Smart self calibration routines

### Units

- N, kgf, gf, ozf, lbf – mm, inches

### Test speeds

- Three options available:
  - 6mm (1/4") per handle turn
  - 12mm (1/2") per handle turn
  - 25mm (1") per handle turn

### GEARED OPTIONS AVAILABLE TOO

### Power

- Power only required to run PC,
- PC powers tester via USB connection



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