

CTM-500



Specifications

Load

- Load Capacity 500N (112.5lbf)
- Load Resolution 0.01N (0.0022lbf)
- Load Accuracy per ISO 7500 /1 Class 0.5 (0.5% of load, between 0.5% capacity up to full capacity)
- 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 (0.0002") for 200 stroke, - Standard Model
- Accuracy: ± 0.02 mm (± 0.0008 ") for 200 stroke on standard model , Absolute display of load height above a user defined fixed reference.

Platten

Diameter

- 55mm (2.2")

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

- Pocket PC, Intel Atom
- USB internal connection to PC for control and data transfer
- Fully Microsoft Windows 10

Display 7"
TouchScreen.

Languages

- English, German, Russian, Chinese

Software

Features

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

- Manual Testing

Power

- 110V~220V AC 1.5A (Maximum)



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