# CTM-50

# Specifications

**Load**

- ❑ Load Capacity 50N (11.25lbf)
- ❑ Load Resolution 0.001N (0.00022lbf)
- ❑ 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: ±0.02mm (±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                                         Display 7"
- ❑ USB internal connection to PC for control and data transfer        TouchScreen.
- ❑ Fully Microsoft Windows   10

**Languages**

- ❑ English, German, Russian, Chinese

**Software Features**

- ❑ Programmable for automated testing, Includes freelength, 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)