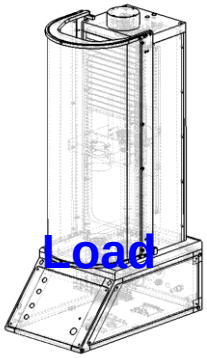
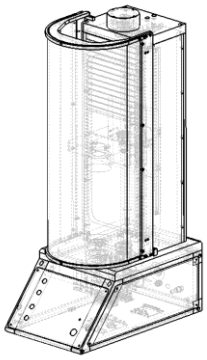
CT-200DualXXX

(XXX denotes secondary Loadcell capacity)

200N Primary Loadcell Capacity
Dual Loadcell
C-Frame
Servo Driven
PC Controlled
Connects externally to a PC via USB and/or Serial ports.



Specifications



- Primary Load Cell Capacity 200N (45.0lbf)
- Primary Load Cell Resolution 0.004N (0.0009lbf)
- Primary Load Cell Accuracy ±0.008N (±0.0018lbf)

- Secondary Load Cell Possibilities:

Load Cell Type	Load Capacity		Load Resolution		Load Accuracy	
	N	Lbf	N	Lbf	±N	±lbf
10	10	2.25	0.0002	0.000045	ISO 7500 /1 Class 0.5 (0.5% of load, between 0.5% capacity up to full capacity)	
50	50	11.25	0.0010	0.00022		
100	100	22.5	0.002	0.00045		
200	200	45	0.004	0.0009		

- 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 500mm (20”)
- …….1000mm(40”) Optional
- Resolution: 0.00025mm (0.0000098”) for 500mm and 1000mm stroke
- Accuracy: ±0.01mm (±0.00039”) for 500 and 1000mm stroke, Accuracy: better than 0.005mm– Available with independent Calibration

Platten Diameter

- Primary Platten Ø80mm (Ø3.15”), Secondary Platten Ø55mm (Ø2.2”).

Free Length

- Automatically determined
- Conductive contact Freelength module optional

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 Win7 and Win10 compatible

Display 17” Monitor.

Languages

- English, German, French and Spanish

Software Features

- Active Loadcell Electronically Identified
- 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

- 0.1mm/s – 125mm/s (0.236”/min-295.3”/min)
- 12 distinct speed settings available

Power

- 110V~220V AC 4.5A (Maximum)

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