

# CT-2000DualXXX

(XXX denotes secondary Loadcell capacity)

**2000N Primary Loadcell Capacity  
Dual Loadcell  
C-Frame  
Servo Driven  
PC Controlled**

**Connects externally to a PC via USB and/or Serial ports.**



# Specifications

## Load

- Primary Load Cell Capacity 2000N (450.0lbf)
- Primary Load Cell Resolution 0.04N (0.009lbf)
- Primary Load Cell Accuracy: ISO 7500 /1 Class 0.5 (0.5% of load, between 0.5% capacity up to full capacity)
- 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		
500	500	112	0.01	0.0022		

- 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

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

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

- Automatically determined
- Conductive contact Frelength module optional

- Automatic or manual determination of spring rate (linear analysis), option for characterization of non-linear rates (e.g. conical springs)

- Automatic detection of tension spring initial tension.

- Intel dual Core (minimum) processor
- Serial or USB connection to PC for control and data transfer
- Laptop optional.
- Fully Microsoft Windows Win10 and Win11 compatible

Display 23"  
Monitor.

## Languages

- English, German, French and Spanish

## Software Features

- Active Loadcell Electronically Identified
- 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
- Fatigue Module

## Units

- N, kgf, gf, ozf, lbf – mm, inches

## Test speeds

- 0.1mm/s – 125mm/s (0.236"/min-295.3"/min)

## Power

- 12 distinct speed settings available
- 110V~220V AC 4.5A (Maximum)

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