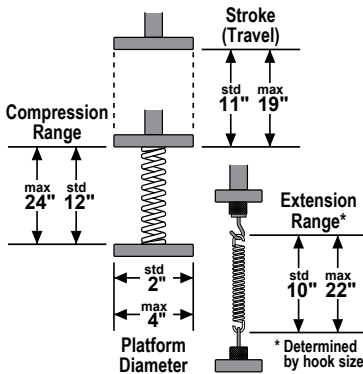


SDHT Super Digital Hand Tester

The SDHT comes in seven different load capacities tuned to the highest precision to best match your toughest testing requirements. Not only does it come loaded with a bundle of great standard features, the SDHT also has four powerful software options that really make spring testing easy and productive: **2 Point with Rate, Calculated Free Length, Initial Tension and Limit Lights with Full Statistical Analysis.**

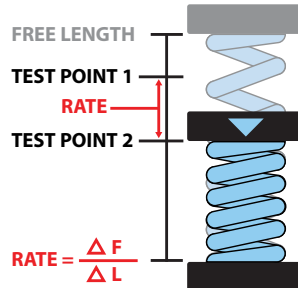
Standard Features:

- Compression/extension testing of force and length
- Built-in load cell & frame deflection compensation
- Mechanical and software overload protection
- Built-in shunt calibration verification
- Backlit digital LCD display of test results
- Push-button force and length zeroing
- Push-button English or metric unit selection
- User programmable filter
- Length / force offset
- Customizable print headings
- Front panel digital calibration
- NIST traceable calibration
- Micro-Length Adjust with built-in length stops
- Built-in 0.25" (8mm) thru-hole for spring support rod
- Internal 8-hour battery for portable use
- RS 232 data communications port
- Statistical summary printout
- Built-in 1,800 test point data logger
- Complete computerized tester diagnostics
- 20-bit internal force resolution
- Heavy-duty braces for increased accuracy



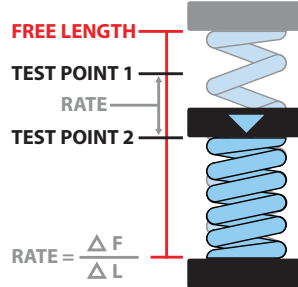
Optional Software Features:

2 Point with Rate



Test two points and get a spring rate calculation in one deflection of the spring.

Calculated Free Length

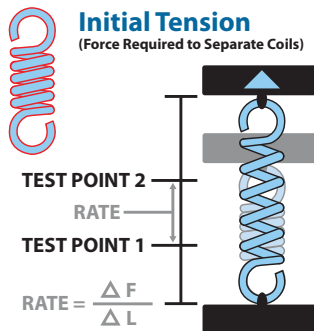


Test two points and get a free length calculation in one deflection of the spring.

*Includes 2 Point with Rate

Initial Tension

(Force Required to Separate Coils)



Test two points and get an initial tension calculation in one deflection of the spring.

*Includes 2 Point with Rate

Limit Lights & Statistical Analysis

Sort springs with the aid of bright, LED lights for "good" or "bad" test results. Statistical analysis including a printable histogram and data run chart.



SDHT - Force Specifications			
Part No.	Capacity	Resolution	
		0-20% FS	20-100% FS
050-0000-0043-00	2 lb	0.00002 lb	0.0002 lb
	907 g	0.01 g	0.1 g
	8.9 N	0.0001 N	0.001 N
050-0000-0044-00	11 lb	0.0002 lb	0.002 lb
	5 kg	0.1 g	1 g
	49 N	0.001 N	0.01 N
050-0000-0087-00	22 lb	0.0005 lb	0.005 lb
	10 kg	0.2 g	2 g
	98 N	0.002 N	0.02 N
050-0000-0076-00	66 lb	0.001 lb	0.01 lb
	30 kg	0.5 g	5 g
	294 N	0.005 N	0.05 N
050-0000-0045-00	110 lb	0.002 lb	0.02 lb
	50 kg	0.001 kg	0.01 kg
	489 N	0.01 N	0.1 N
050-0000-0077-00	200 lb	0.005 lb	0.05 lb
	91 kg	0.002 kg	0.02 kg
	890 N	0.02 N	0.2 N
050-0000-0046-00	750 lb	0.02 lb	0.2 lb
	340 kg	0.01 kg	0.1 kg
	3,336 N	0.1 N	1 N

Accuracy = ± Resolution x 2

SDHT - Length Specifications		
Capacity	Standard Resolution	
	Resolution	Accuracy (±)
2, 11, 22, 66, 110 & 200 lb	0.0005 in	0.001 in
	0.01 mm	0.02 mm
750 lb	0.0005 in	0.002 in
	0.01 mm	0.04 mm



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