

# SDHT 2000 Wide Body

## Super Digital Hand Tester

This is the heavy-duty, super-rigid version of our SDHT tester. With smart, interchangeable load cells, its four-post design minimizes frame deflection and gives you the most versatility and productivity in a single tester. It has a 13" stroke, 18" range and can test parts up to 2,000 lb. and 16" in diameter. The tester has 5/8-18 tooling holes for convenient fitting.

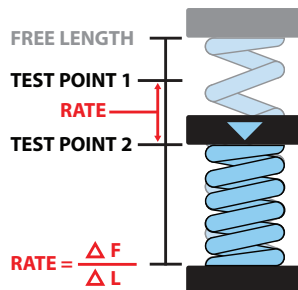
The SDHT 2000 Wide Body is made from a combination of billet aluminum and precision ground steel parts. The rack-and-pinion drive is lever- (standard) or hand-wheel operated (optional). It is equipped with two positive stops for repetitive testing and comes standard with a 0.438" Ø thru-hole for centering shafts for supporting buckling type compression springs.

### Standard Features:

- Compression / extension testing of force and length
- Convenient hand lever operation
- Smart interchangeable load cells
- Backlit digital LED display of force and length
- Tracking or peak modes (2,000 samples / sec)
- Load cell and frame deflection compensation
- Wipe-clean embossed key faceplate
- Push button force and length zeroing
- Push button English or metric unit selection
- Built-in shunt calibration verification
- NIST traceable digital calibration
- User programmable filter & length / force offsets
- Internal 8-hour battery for portable use
- RS232 port for printing or data output
- Built-in 1,800 test point data logger

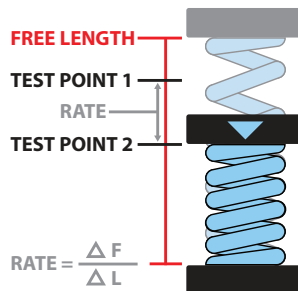
### Optional Software Features:

#### 2 Point with Rate



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

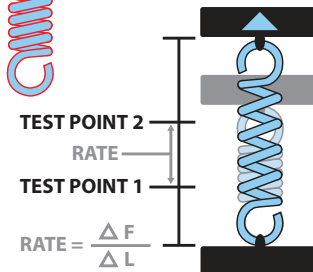
#### Calculated Free Length



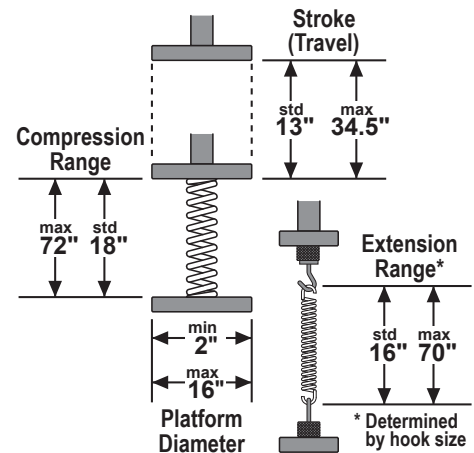
Test two points and get a free length calculation in one deflection of the spring.  
\*Includes 2 Point with Rate

#### 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 2000 WIDE BODY - Force Specifications

Part No.	Capacity	Resolution	
		0-20% FS	20-100% FS
025-0000-0394-01	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
025-0000-0394-02	11 lb	0.0002 lb	0.002 lb
	5 kg	0.1 g	1 g
	49 N	0.001 N	0.01 N
025-0000-0394-03	22 lb	0.0005 lb	0.005 lb
	10 kg	0.2 g	2 g
	98 N	0.002 N	0.02 N
025-0000-0394-04	66 lb	0.001 lb	0.01 lb
	30 kg	0.5 g	5 g
	294 N	0.005 N	0.05 N
025-0000-0394-05	110 lb	0.002 lb	0.02 lb
	50 kg	0.001 kg	0.01 kg
	489 N	0.01 N	0.1 N
025-0000-0394-06	200 lb	0.005 lb	0.05 lb
	91 kg	0.002 kg	0.02 kg
	890 N	0.02 N	0.2 N
025-0000-0433-00	750 lb	0.02 lb	0.2 lb
	340 kg	0.01 kg	0.1 kg
	3,336 N	0.1 N	1 N
025-0000-0433-01	1,500 lb	0.1 lb	1 lb
	680 kg	0.05 kg	0.5 kg
	6,672 N	0.5 N	5 N
025-0000-0433-02	2,000 lb	0.1 lb	1 lb
	907 kg	0.05 kg	0.5 kg
	8,896 N	0.5 N	5 N

Accuracy = ± Full Scale Resolution x 2

### SDHT 2000 WIDE BODY - 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, 1,500, & 2,000 lb	0.0005 in	0.002 in
	0.01 mm	0.04 mm

Accuracy = ± Full Scale Resolution x 2



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