



# FDHT 1500

## Force Digital Hand Tester

The FDHT 1500 is Larson Systems' heavy-duty, hand-operated force-only tension and compression tester. It is equipped with a high-resolution force measuring system to display current or peak force and can be fitted to perform a variety of force tests. Built with a rugged cast-aluminum and steel frame in a rigid two column design, the FDHT has a precision rack-and-pinion drive with adjustments for wear and features convenient hand lever operation to apply force.

### Standard Features:

- Compression and tension force testing
- Tracking or peak modes (2,000 samples / sec)
- Load cell and frame deflection compensation
- Mechanical and software overload protection
- Digital calibration and linearization
- Backlit digital LED display of force
- Wipe-clean embossed key faceplate
- Push-button force zeroing
- NIST traceable calibration
- Force measurement in lb, oz, kg or N
- Load cell mounts to base or upper platform
- Surface ground plates for great working surfaces

### Options:

- Micro-Length Adjust (025-0000-0434-00)
- Extended Range Rods
  - 24" Range (025-0000-0442-00)
  - 36" Range (025-0000-0437-00)
  - 48" Range (025-0000-0438-00)
  - 60" Range (025-0000-0442-01)
  - 72" Range (025-0000-0442-02)
- Extended Stroke
  - 18" Stroke (025-0000-0446-21)
  - 24" Stroke (025-0000-0446-22)
  - 36" Stroke (025-0000-0446-25)
- Battery Pack (025-1000-0491-00)
- High Resolution Force (050-0000-0107-00)
- RS 232 and USB for data output

### Pictured with Options & Accessories:

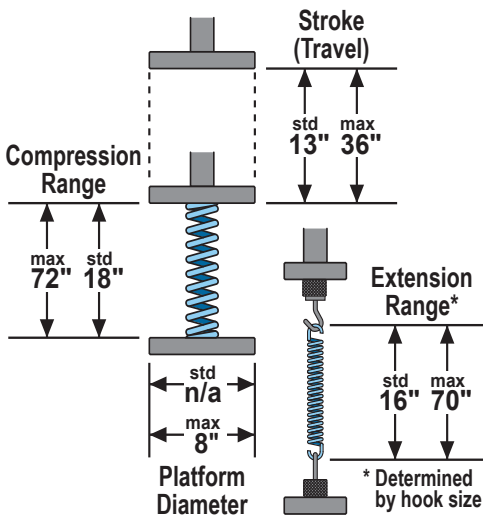
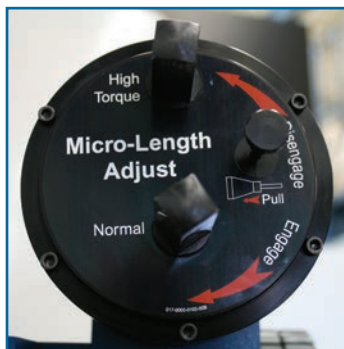
- Extended Stroke
- Micro-Length Adjust Assembly
- Extended Range Rods
- Smooth Jaw Wire Chucks



Rotation Stops



Micro Length Adjust Assembly  
2 Speeds for Fine Force Adjustments



See Page 2 for Force Specifications.



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### FDHT 1500 Force Specifications

FDHT 1500 Model & Load Cell		Standard Resolution	High Resolution Force*	
Load Cell & Part No.	Capacity	0-100% Full Scale	0-20% FS	20-100% FS
 <b>FDHT 1500 - 2 lb</b> 025-0000-0394-21	<b>2 lb</b>	<b>0.001 lb</b>	<b>0.0001 lb</b>	<b>0.001 lb</b>
	907 g	0.2 g	0.02 g	0.2 g
	8.9 N	0.002 N	0.0002 N	0.002 N
 <b>FDHT 1500 - 11 lb</b> 025-0000-0394-22	<b>11 lb</b>	<b>0.005 lb</b>	<b>0.0005 lb</b>	<b>0.005 lb</b>
	5 kg	0.002 kg	0.0002 kg	0.002 kg
	49 N	0.02 N	0.002 N	0.02 N
 <b>FDHT 1500 - 22 lb</b> 025-0000-0394-23	<b>22 lb</b>	<b>0.01 lb</b>	<b>0.001 lb</b>	<b>0.01 lb</b>
	10 kg	0.005 kg	0.0005	0.005 kg
	98 N	0.05 N	0.005 N	0.05 N
 <b>FDHT 1500 - 66 lb</b> 025-0000-0394-24	<b>66 lb</b>	<b>0.02 lb</b>	<b>0.002 lb</b>	<b>0.02 lb</b>
	30 kg	0.01 kg	0.001 kg	0.01 kg
	294 N	0.1 N	0.01 N	0.1 N
 <b>FDHT 1500 - 110 lb</b> 025-0000-0394-25	<b>110 lb</b>	<b>0.05 lb</b>	<b>0.005 lb</b>	<b>0.05 lb</b>
	50 kg	0.02 kg	0.002 kg	0.02 kg
	489 N	0.2 N	0.02 N	0.2 N
 <b>FDHT 1500 - 200 lb</b> 025-0000-0394-26	<b>200 lb</b>	<b>0.1 lb</b>	<b>0.01 lb</b>	<b>0.1 lb</b>
	91 kg	0.05 kg	0.005 kg	0.05 kg
	890 N	0.5 N	0.05 N	0.5 N
 <b>FDHT 1500 - 750 lb</b> 025-0000-0433-10	<b>750 lb</b>	<b>0.5 lb</b>	<b>0.05 lb</b>	<b>0.5 lb</b>
	340 kg	0.2 kg	0.02 kg	0.2 kg
	3,336 N	2 N	0.2 N	2 N
 <b>FDHT 1500 - 1,500 lb</b> 025-0000-0433-11	<b>750 lb</b>	<b>1 lb</b>	<b>0.1 lb</b>	<b>1 lb</b>
	680 kg	0.5 kg	0.05 kg	0.5 kg
	6,672 N	5 N	0.5 N	5 N

**Accuracy = ± Full Scale Resolution x 2**  
 \*Requires High Resolution Force Option 050-0000-0107-00



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