

Wheel Operated Digital Spring Tester



- HV-110S test stand with distance meter
- DPS Digital Force gauge (specify range)
- AA-55 Flat head (top, for compression tests)
- or S-1 Small hook (bottom, for tension tests)
- One tester for both tension and compression spring tests
- Generous work area can accommodate a wide variety of samples
- Suitable for tests where a high degree of control is required
- Maximum load 110 lbf (50 kgf)
- Max clearance 9" (with extender 14")

All items sold separately

[Dimensions](#) | [Special Attachments](#)

Distance Meter Specifications	
Display	Push button for inch/mm, zero set and on/off
Resolution	0.0005"/0.01 mm
Accuracy	0.1% of reading or 0.005"/0.1mm, whichever is greater

The Model HV-110S offers the precise control of a hand wheel



AA-55 Flat head



S-1 Small hook

test stand. The HV-110S measures both compression and tension without any conversion and is equipped with a precision digital distance meter. IMADA force gauges are available in capacities of a few ounces up to 110 lbf. Consult our engineers for custom applications.

DPS Ranges (Resolution) Accuracy: $\pm 0.2\%$ F.S. ± 1 LSD			
Model	Capacity (Resolution)		
	Pounds/Ounces	Kilograms/Grams	Newtons
DPS-0.5	8.819 ozf (0.001 ozf)	250.0 gf (0.1 gf)	2.452 N (0.001 N)
DPS-1	17.64 ozf (0.01 ozf)	500.0 gf (0.1 gf)	4.903 N (0.001 N)
DPS-4	4.409 lbf (0.001 lbf)	2.000 kgf (0.001 kgf)	19.61 N (0.01 N)
DPS-11	11.02 lbf (0.01 lbf)	5.000 kgf (0.001 kgf)	49.03 N (0.01 N)
DPS-44	44.09 lbf (0.01 lbf)	20.00 kgf (0.01 kgf)	196.1 N (0.1 N)
DPS-110	110.2 lbf (0.1 lbf)	50.00 kgf (0.01 kgf)	490.3 N (0.1 N)
DPS-220	220.5 lbf (0.1 lbf)	100.0 kgf (0.1 kgf)	980 N (0.1 N)