

SD Series Digital Spring Tester

SD Series Digital Spring Tester is special for testing tension & compression of spring's distortion and load, and it also can be used to test the load of rubber and reed.

Characteristics

- Peak holding and auto-releasing function;
- Set upper and lower limit, alarm with sound and light;
- Converting three units automatically;
- Automatic power-off;
- Calculating average function;
- RS-232C output;
- Printer inside.

Note: SD-B series spring tester has not inside printer, and no data port.

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SD-500 TEST REPORT
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DATE:
NO:
UNIT:
HLD:120.0
LDDT:220.1
LE:50.0
O1:150.0
O2:198.0
O3:450.0
O4:85.5
O5:256.8 OK
O6:270.8 OK
O7:266.8 OK
O8:400.2 OK
O9:368.9 OK
10:296.5 OK
MAX:450.5
MIN:85.5
AVERAGE:273.4
    
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SD-10~30



SD-50~500



Parameter

Model	SD-10	SD-20	SD-30	SD-50	SD-100	SD-200	SD-300	SD-500	SD-1000	SD-2000	SD-5000
Capacity	10N	20N	30N	50N	100N	200N	300N	500N	1000N	2000N	5000N
Resolution	0.001N	0.002N	0.01N	0.01N	0.02N	0.05N	0.1N	0.1N	0.2N	0.5N	1N
Length Meter Travel	65mm			95mm			150mm				
Length Meter Resolution	0.01mm			0.01mm			0.01mm				
Platen Diameter	φ30mm			φ49mm			φ108mm				
Max Length Of Spring	65mm			95mm			200mm				
Test Range	5%~100%FS										
Inaccuracy	Within ±1%										
Power	220±10%V 20W										
Dimension	300×235×600mm			300×235×620mm			490×300×920mm				
Weight	About 13.2kg			17.3kg		About 19.1kg		20.8kg		About 47.5kg	

Conversion Form Of Force Unit

	N	1cN	lbf	ozf	tf	Kgf	1gf
1N	1	100	0.225	3.596	0.000102	0.102	101.972
1cN	0.01	1	0.00225	0.0360	0.000001	0.00102	1.020
1lbf	4.448	444.822	1	16	0.000454	0.454	453.592
1ozf	0.278	27.801	0.0625	1	0.0000284	0.0284	28.350
1tf	9806.65	980665	2204.62	35273.9	1	1000	1000000
1kgf	9.807	980.665	2.205	35.274	0.001	1	1000
1gf	0.00981	0.981	0.00221	0.0353	0.000001	0.001	1