

TLS-S-I Series Dual Digital Display Spring Tension & Compression Testing Machine

Main Features:

TLS-S I series of spring tension & compression testing machine adopts integrated circuit and micro-computer to test the 2 parameters of displacement and load and to digitally display their values, as well as printing out the testing results.

Hand loaded, the machine can pre-set the upper & lower limit load of 4 test points and auto judge the qualification of the 4 test points. It can also auto-revise displacement of load cell.

Generally, the machine has functions of peak value holding, overload protection, zero clearing at any test point, stiffness calculation, data retrieval, etc. It is suitable for testing of various precision extension and compression springs and intensity measuring of brittle materials.



TLS-S11, 21, 51, 101, 201



TLS-S50001



TLS-S1001, 2001, 5001, 10001, 20001

Main Technical Specifications:

Specification	TLS-S11	TLS-S21	TLS-S51	TLS-S101	TLS-S201	TLS-S501	TLS-S1001	TLS-S2001	TLS-S5001	TLS-S10001	TLS-S20001	TLS-S50001	TLS-S100001	TLS-S200001		
Max. test load (N)	1	2	5	10	20	50	100	200	500	1000	2000	5000	10000	20000		
Min. test load read (N)	0.001						0.01			0.1		1				
Test load available in	4%-100%															
Resolution of the ruler (mm)	0.01															
Max. distance between tension hooks (mm)	110		90			240			270		650		1000			
Max. distance between compression plate (mm)	70		70			220			250		650		1000			
Diameter of compression plates (mm)	30		48			60			110		130		200			
Max stroke (mm)	70		70			70			100		650		1000			
Testing speed (mm/min)	Manual												600		300	
Hand wheel feeding (mm)													0.428		0.2	
Classification of machine	Class 1															
Machine dimension (mm)	Load frame 180• 275• 500					525• 800• 635			810• 585• 950			600• 400• 1600		740• 575• 1600		
	Digital display box 280• 275• 500															
Net weight (kG)	20					30			85			200		400		
Power supply	220V AC 50Hz 1ph												380V AC 50Hz 3ph			