

SKZ101 Double Column Tensile Tester



1. Introductions

Its precise auto control and data acquisition system allow it to automatically acquire data and control the procedures. It can measure tensile strength, elongation, deformation, equipped with printer, the test results can be printed. And also equipped with the extensometer.

2. Advantages





- 1) Equipped with hand control box to allow the moving of the crosshead quickly and flexibly.
- 2) It can automatically return to the original position after test.
- 3) Equipped with limit switches for preventing over travel protecting.
- 4) Having the functions of load control, stress control, deformation control, strain control, displacement control and can allow the customer to programme the test.


3. Main technical parameter

1	Max. test force	5KN
2	Precision	1%
3	Measuring range of load	1%-100% of max. force
4	Relative error of indicating value of test force	1%
5	Resolution of test force	1/300000

6	Measuring range of deformation	2%-100%
7	Adjusting range of load control rate	0.005%-5%FS/S
8	Precision of load control rate	When rate is less than 0.05%FS, the precision is 1% When rate is more than 0.05%FS, the precision is 0.5%
9	Adjusting range of deformation rate	0.005-5%FS/S
10	Precision of deformation rate	When rate is less than 0.05%FS/s, the precision is 1% When rate is more than 0.05FS/s, the precision is 0.5%
11	Adjusting range of displacement	0.5-500mm/min
12	Precision of displacement rate	0.2%
13	Range of constant load, constant deformation, constant displacement	0.5%-100%FS
14	Precision of constant load, constant deformation, constant displacement	When the set value is more than 10%FS, the precision is 0.5% When the set value is less than 10%FS, the precision is 1%
15	Distance between columns	900mm
16	Voltage and power(should connect to the ground)	220V, 50Hz, 400W

4. Configuration of the machine

Main machine	Door structure	1 set	
Precise ball screw	Taiwan TBI	2 pairs	
Load cell	5KN	1 PC	
Hand control box	Control the moving of crossbeam	1 PC	

Tensile accessories	Wedge clamping body	1 set	
---------------------	---------------------	-------	---