KASON-TLW-200/300KN Computer Automatic Spring Tensile and Compression Testing Machine

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Application

This testing machine is mainly used to measure the tensile test and compression test of various coil springs. It can test both the spring load under a certain deformation and the spring deformation under a certain load. Mainly used in spring manufacturers, low-voltage electrical appliances, machinery, universities and research laboratories.

Standards:

- Implementation standard of testing machine:JB/T 7796-2005 《Tension and compression spring testing machines》
- JJF 1134-2005 《Calibration specification for special working measuring machines》
- GB/T 13634 《Calibration of dynamometers for testing on testing machines》

Technical Specification

Model	KASON-TLW-200E	KASON-TLW-300E
Load Capacity	200KN	300KN
Structure	Double Column Type Double space models	
Control Method	computer control	
Load Accuracy	Class0.5	
Load Range	0.4%～100%F·S	
Test force relative error value	≤±1%%	
Displacement relative error value	≤±1%	
Displacement display resolution	0.01mm	
Deformation indication error	≤±（50+0.15L）um	
Speed range	0.01-500mm/min	
Speed relative error	≤±1%	
Tensile test space	650mm	
Compression space	650mm	
Upper and lower pressure plate	≤0.05mm	
Power Supply	AC220V±10%，50Hz	

Features

1.Automatically clearing: test force, displacement, according to the needs to be cleared at any time;

2.Automatic shifting: automatic switching the appropriate range to ensure accuracy load;

3.Automatic calibration: system can automatically realize the accuracy of the calibration value

4.Control method：You can achieve a variety of control method, test force, test speed, displacement, etc., with the following features:

a) Setting the test force P, detect the spring deformation F;

b) Setting the deformation F, detect the spring test force P;

c) Setting the test force P, detect the remaining height of the spring (or the tensile length of the tensile spring) H,

d) Setting the spring remaining height of the spring, (or the tensile length of the tensile spring) H, detect the spring test force P; Can set the pre-compression height of the pre-compressed spring , the number of pre-compression can be arbitrarily set;

e) Setting max10 detection points (can be set into the return detection);

f) The detection of the spring deformation is in contact with the work pressure plate shall prevail, then the test should have the reaction force, the size of the test force (ie, the initial force) arbitrarily set;

g) The deformation caused by the sensor can be compensated. The deformation caused by the sensor and stiffness of the machine does not affect the accuracy of displacement.

With function of automatic stop when overload ;

5.Breakage judgment: sample after fracture,beam automatic stop moving

6.Limiting protection: Program control and Mechanical limiting protection.

FOCUS IN MATERIAL TEST

KASONTEST®

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