

Product Name :
Electronic Spring Tension Machine

Product Code :
ENGLABINGCAG280002



Description :

Electronic Spring Tension Machine

Technical Specification :

Main Features:

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

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

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

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

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

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

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

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;

Setting max 10 detection points (can be set into the return detection);

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;

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.

Technical Specifications :

Max test force (N): 10kN, 20kN, 30kN, 50kN, 100kN, 200kN, 300kN

Effective tensile space: 800, 700, 700

Effective compression space: 800, 700, 700

Structure: Four columns floor type (upper tensile, lower compression / upper compression, lower tensile)

Control method: Computer automatic control

Displacement value relative error: $\pm 1\%$

Displacement resolution: 0.01mm

Deformation value relative error: $\pm(50+0.15L)$ um

Test accuracy: 1 class

Test force test arrange (F-S): 2%~100% F-S(stepless)

Test force value relative error: $\pm 1\%$

Speed adjust range: 0.05-300mm/min, 0.05-200mm/min

Speed error: $\pm 1\%$

Pressure plate size: 400, 500, 550

Pressure plate diameter: 110mm

Power supply: AC 220V $\pm 10\%$,50Hz



Engineering Lab Equipment India