# Science Lab

**Product Name :**

**Product Code :**

Electronic Spring Tension Machine

SLE/MCE/17

# Description :

**Main Features:**

- Automatically clearing: test force, displacement, according to the needs to be cleared atany time.
- Automatic shifting: automatic switching the appropriate range to ensure accuracy load.
- Description:
- Automatic calibration: system can automatically realize the accuracy of the calibrationvalue
- Control method:You can achieve a variety of control method, test force, test speed, displacement, etc.
- Setting the spring remaining height of the spring, detect the spring test force P.
- Setting max10 detection points.
- Can set the pre-compression height of the pre-compressed spring, the number of pre-compression can be arbitrarily set.
- The deformation caused by the sensor and stiffness of the machine does not affect the accuracy of displacement.
- The detection of the spring deformation is in contact with the work pressure plate shall prevail, then the test The deformation caused by the sensor can be compensated.

**Technical Specification:**

- **Max test force(N):** 10kN, 20kN, 30kN, 50kN, 100kN, 200kN, 300kN
- **Speed error:** ?±1%
- **Test accuracy:** 1 class
- **Structure:** Four columns floor type
- **Control method:** automatic control
- **Test force value relative error:** ?±1%
- **Displacement value relative error:** ?±1%
- **Power supply:** AC220V±10%,50Hz
- **Speed adjust range:** 0.05-300mm/min
- **Effective tensile space:** 800
- **Effective compression space:** 700
- **Pressure plate size:** 400, 500, 550
- **Pressure plate diameter:** 110mm
- **Displacement resolution:** 0.01mm
- **Deformation value relative error:** ?±(50+0.15L)um

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