



THE LAB EQUIPMENT

Email : [sales@thelabequipment.com](mailto:sales@thelabequipment.com)

Phone: +91-8759245890

**Product Name :**

Electronic Spring Tension Machine

**Product Code :**

SLE/MCE/17



**Website:** <https://thelabequipment.com>, **Email:** [sales@thelabequipment.com](mailto:sales@thelabequipment.com)

plot. no.296. Sector 5. Vaishali. Ghaziabad. Uttar Pradesh 201010



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## Description :

### Main Features:

- Automatically clearing: test force, displacement, according to the needs to be cleared at any time.
- Automatic shifting: automatic switching the appropriate range to ensure accuracy load.
- Description:
- Automatic calibration: system can automatically realize the accuracy of the calibration value
- 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 max 10 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:**  $\pm 1\%$
- **Test accuracy:** 1 class
- **Structure:** Four columns floor type
- **Control method:** automatic control
- **Test force value relative error:**  $\pm 1\%$
- **Displacement value relative error:**  $\pm 1\%$
- **Power supply:** AC220V $\pm 10\%$ , 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:**  $\pm(50+0.15L)\mu\text{m}$

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