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Product Name :

Electronic Spring Tension Machine

Product Code :

SLE/MCE/17



Science Lab
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Description :

Electronic Spring Tension Machine (Product Code: SLE/MCE/17) is a four-column, floor-type spring testing machine used to measure spring force at set heights and deflections in engineering laboratories and spring quality control. Engineering colleges and spring users choose it for automatic control by test force, speed or displacement, a 0.01 mm displacement resolution and maximum test force options from 10 kN up to 300 kN. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India.

Specifications

Parameter	Detail
Maximum test force options	10 kN, 20 kN, 30 kN, 50 kN, 100 kN, 200 kN, 300 kN
Structure	Four columns, floor type
Control method	Automatic control by test force, test speed, displacement and other modes
Test accuracy	Class 1
Test force relative error	? ±1%
Displacement relative error	? ±1%
Deformation relative error	? ±(50 + 0.15L) μm
Speed error	? ±1%
Speed adjustment range	0.05–300 mm/min
Displacement resolution	0.01 mm
Effective tensile space	800 (unit not stated in the listing; confirm with us)
Effective compression space	700 (unit not stated in the listing; confirm with us)
Pressure plate size (as listed)	400, 500, 550
Pressure plate diameter	110 mm
Detection points	Up to 10 per test
Power supply	AC 220 V ±10%, 50 Hz
Product code	SLE/MCE/17
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

Main control features:

- Automatic clearing of test force and displacement whenever needed
- Automatic range shifting to keep load readings accurate
- Automatic calibration routine for the accuracy value