



THE LAB EQUIPMENT

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

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**Product Name :**

Automatic Marshall Stability Test Machine

**Product Code :**

SLE/CE/81



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## Description :

### Specification:

- The 50 kN capacity Automatic Marshall Stability Test Machine is used to determine the maximum load and flow values of bituminous mixtures.
- The machine comprises of a robust and compact two column frame with adjustable upper cross beam.
- The machine can be hand operated by a lateral hand wheel for calibration purposes.
- For safety, the up and down travel of the lower platen is limited the use of limit switches.
- Rapid adjustment of the platen is controlled using the up and down buttons on the front panel of the machine.
- The speed of the lower platen can be adjusted between 6 mm/min to 60 mm/min using the data acquisition and control unit.
- The unit is a bench mounting compression frame with motor and worm gear housed within the base unit.

### Features:

- Automatically calculates flow and stability values.
- Can make test with displacement and limited load control.
- Real time display of test graph.
- CPU card with 32-bit Arm RISC architecture.
- Permanent storage capacity up to 10000 test results.
- 4 analog channels, 2 channels are active for marshall test.
- Programmable digital gain adjustment for load-cell, pressure transducers, strain-gauge based sensors, potentiometric sensors, voltage and current transmitters.
- 1/256000 points resolution per channel.
- 10 data per second sample rate for each channel.