

## BITUMEN - PAVING MIX TESTS

### ●● HB64.05

#### Marshall Apparatus (Electrically Operated)

ASTM D-1559

For determining the resistance to plastic flow of cylindrical specimens of bituminous paving mixture loaded on its lateral surface. For use with hot mixture containing asphalt or tar and aggregate upto 25.4 mm max size.

It consists of three cylindrical moulds 10.16 cm dia x 7.6 cm high with base plates and extension collars, a specimen extractor, two compaction hammers (4.5 kg) a compaction pedestal, a breaking head assembly, a load transfer bar and a 50 kN loading unit.

The motorised loading unit has a uniform rate of vertical movement of 50.8 mm/mnt.

Suitable for operation on 220V, 50 Hz, single phase supply.



HB 64.05

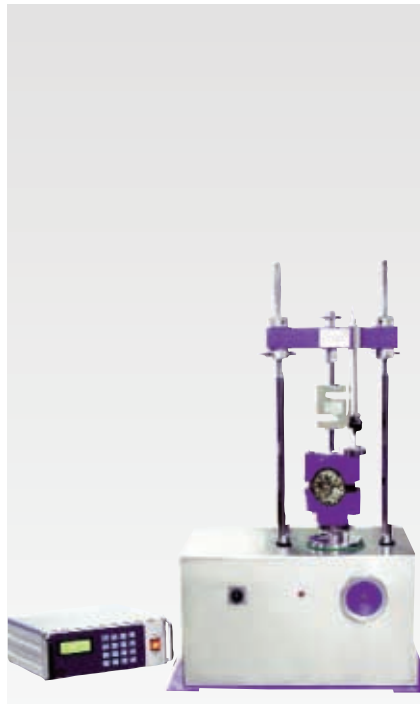
### ●● HB64.505

#### Marshall Stability Test Apparatus with digital Display

This model reduces uncertainty in manually recording of the readings load unit and other accessories are the same as supplied in HB 64.05 except that it has digital display unit for indicating of load and flow since the unit is micro processor based it records the flow at maximum load. Serial port. Serial port is a part of the system for Computer communication.

The Unit comprises of

- i) Load Frame 25kN cap
- ii) Rammers 2 Nos.
- iii) Moulds 3 Nos.
- iv) Breaking Head assembly 1No.
- v) Digital Display
- vi) Load Cell 50 kN
- vii) Displacement sensor along with flow meter  $\pm 20$ mm



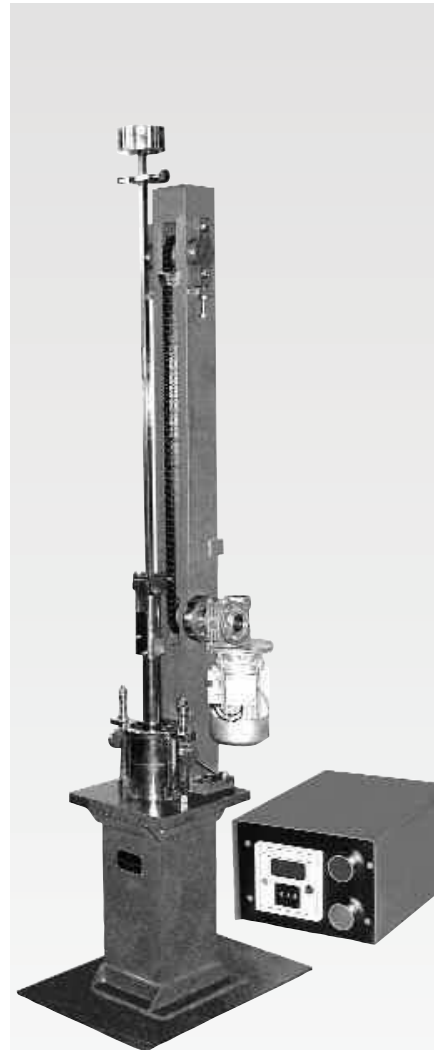
HB 64.505

### ●● HB64.10

#### Automatic Bituminous Compactor (Electrically Operated)

This new 'HEICO' Compactor automatically stimulates hand compaction as specified in ASTM D-1559 and develops a uniformity in the test procedure. The apparatus consists of a chain drive coupled to the motor through a gear box, and carries a locking device which lifts and releases the hammer through a specified height. Fitted with a counter which trips the motor automatically after 50 or 75 strokes as set on it.

Suitable for operation on 220 V, 50 Hz, single phase supply.



HB 64.10