Plate load bearing test apparatus

Make: LabTek

Model: SUN-SL-006

Origin: India

Standards: ASTM D1194, D1195, D1196; BS 1377:9

SUN-SL-006A/200 Plate Load Test Set, 200 kN Capacity
SUN-SL-006B/500 Plate Load Test Set, 500 kN Capacity

Plate Loading Test Sets are performed for the determination of the bearing capacity of a soil in-situ on road constructions, foundations, road subgrades, airport and highway pavements. A wide range of plate bearing test equipment are available, together with many accessories according to the different Standards and specific enduser needs.
All test sets supplied complete with 1,5 m long flexiable hose with quick release coupling.

The SUN-SL-006A/200 Plate Bearing Test Set 200 kN is supplied complete with:

- Datum Bar - 2.4 m long
- Piston Assemly 200 kN capacity, for Plate Load Bearing Test Sets
- Hydraulic Hand Pump, 700 bar.
- 25 mm travel x 0.01 mm digital dial gauges with dial supports
- Loading Plate Ø 300 mm for for Plate Load Bearing Test Sets
- Loading Plate Ø 450 mm for for Plate Load Bearing Test Sets

The SUN-SL-006B/500 Plate Bearing Test Set 500 kN is supplied complete with:

- Datum Bar - 2.4 m long
- Piston Assemly 500 kN capacity, for Plate Load Bearing Test Sets
- Hydraulic Hand Pump, 700 bar.
- 25 mm travel x 0.01 mm digital dial gauges with dial supports
- Loading Plate Ø 600 mm for for Plate Load Bearing Test Sets
- Loading Plate Ø 760 mm for for Plate Load Bearing Test Sets

Relative density test apparatus

Make: LabTek

Model: SUN-SL-007

Origin: India

Standards: S 2720 (PART XIV), ASTM D 4253 & ASTM D 4254

Apparatus determines the relative density of cohesionless, free-draining soils and provides well-defined results on soils that do not respond well to conventional moisture-density impact compaction testing. Soils for which this method is appropriate may contain up to 12 percent of soil particles passing a No. 200 (75µm) sieve, depending on the distribution of particle sizes, which causes them to have free-draining characteristics. Relative density of cohesionless soils uses vibratory compaction to obtain maximum density and pouring to obtain minimum density.

The equipment consists one each of
Vibratory table, with a cushioned steel vibrating deck about 75 cm x 75 cm. It has a frequency of approximately 3600 vibrations per minute under a 115 kg load. Amplitude is variable in between 0.05 and 0.65 mm in steps of 0.05 to 0.25 mm, 0.25 to 0.45 mm and 0.45 to 0.65 mm. Suitable for operation on 415 volts, three phase supply
Cylindrical metal unit weight mould, 3000 ml capacity
Guide Sleeve with clamp assembly
Surcharge base plate for mould
Handle for surcharge base Plate
Surcharge weight. The total weight together with surcharge base plate and handle is equivalent to 140 kg./sq.cm. for mould
Cylindrical metal unit weight mould, 15000 ml capacity
Surcharge base plate for guide sleeve
Surcharge weight for cylindrical mould of 15000 ml. cap
(Total weight together with the above mould & surcharge weight is equivalent to 140 kg./sq.cm-) Dial gauge holder & calibration bar 7.5 c 300 mm x 3 mm
Accessories :
Dial gauge 0.01 mm x 50 mm travel
Extension piece 25 mm for dial gauge

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