

Proctor penetrometer

Make: LabTek

Model: SUN-SL-030

Origin: India

Standards: ASTM D1558

Used to determine in field the moisture-penetration resistance relationship of fine grained soils. Spring load scale 0-55 Kg, subdiv. 1 Kg, with direct max. value reading in Kg. on the sliding rod. Complete with 9 interchangeable stainless steel needles \varnothing 4.52 - 5.23 - 6.40 - 9.07 - 12.83 - 16.54 - 20.22 - 24.79 - 28.55 mm, accessories, carrying case.

Chromed finishing.

Weight: 5 Kg approx.



Pocket penetrometers

Make: LabTek

Model: SUN-SL-031

Origin: India

Standards: ASTM D2573-94 AASHTO T202

Designed for the rapid determination of soil consistency, shear strength and approximate Unconfined Compression Strength.

Plunger \varnothing 6.35 mm

Two different scale ranges available:

SUN-SL-031: range 0-4.5 kgf/cm² with direct reading strength values, 300 g

SUN-SL-031A: range 0-16 kgf/cm², 800 g. Suitable for very compacted soils



Dial penetrometers

Make: LabTek

Model: SUN-SL-032

Origin: India

Standards: ASTM D2573-94

For the classification of cohesive soils in terms of consistency, shear strength and approximate unconfined compression strength. Direct value read in Kgf/cm² on the graduated dial. Peak hold feature; zero setting by push button. Plunger \varnothing 6.35 mm

Two available models, depending on the direct value range:

SUN-SL-032: range 0-6 Kgf/cm² (0-588 kPa)

SUN-SL-032A : range 1-14 Kgf/cm² (0-1373 kPa) suitable for medium and hard soil.

Weight: 300 g



Field inspection testing kit

Make: LabTek

Model: SUN-SL-033

Origin: India

Standards: ASTM D2573

Especially designed to measure the undrained shear strength (CU) of cohesive soils, consists of a cylindrical body with a torsional spring and three interchangeable vanes of different sizes used depending upon the expected strength of the soil. The height/diameter ratio of all vanes is 2. During operation the vane is driven for 5-6 cm into the soil and then turned with the handle. Deep measures (i.e. on the top of undisturbed samples) can be obtained using the extension rod (see accessories).

The two units are contained in a practical carrying case.

-Case dimensions: 240x210x50 mm

-Weight approx.: 1.8 kg

Three interchangeable tips:

4.5 mm dia. for very hard soil,

6.35 mm for medium and soft soil,

8.98 mm for soft soil. Supplied complete with plastic case.

