

**Product Name :**  
Liquid Limit Penetrometers

**Product Code :**  
ASTSOIL-0013



**Description :**

Liquid Limit Penetrometers

**Technical Specification :**

Specification:

- Cast iron base with leveling feet
- Digital penetration measurement gauge 0.01 mm precision
- Micrometer vertical adjustment device
- Automatic zeroing
- Electronic release mechanism

The cone penetrometer apparatus is used to determine the moisture content at which clay soils pass from a plastic to a liquid state and it is used also for the determination of undrained shear strength .

The penetrometer has a cast iron base with leveling screws, digital penetration measurement gauge 0.01 mm precision, release button and automatic zeroing. It is provided with lead screw gear arrangement, Leveling screws, Spirit level. The head can be clamped at any desired

height. A rack and pinion and pointer assemble provides fine adjustment of the cone tip to sample. It incorporates a clutch mechanism which makes reading of penetration and subsequent resetting a simple and accurate operation.

The semi-automatic model is complete with automatic controller, which automatically releases the plunger by a magnetic device, complete with micrometer vertical adjustment and adjustable electronic timer of the fall time. The electronic timer allows the user to set up and read the fall time of the needle during testing.

Penetration cones and sample cups has to be ordered separately.

- Weight approx.: 8.5 kg

Penetrometer accessories:

Penetration test cone 30° angle

Cone test gauge to check the condition of the cone

Penetration sample cup 55 mm dia., 40 mm deep

Penetration sample cup 75 mm dia., 50 mm deep

Penetration test cone 60° angle, 60 g weight

Cone test gauge for cone 22-T0029/4

Penetration test cone 30° angle, 100 g weight

Penetration test cone 30° angle, 400 g weight



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