

**Product Name :**  
Liquid Limit Penetrometers**Product Code :**  
LABENGINEERING-INDIA-CAT290040**Description :**

Liquid Limit Penetrometers

**Technical Specification :**

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

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.

It incorporates a clutch mechanism which makes reading of penetration and subsequent resetting a simple and accurate operation.

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.

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.



# Engineering Lab Equipment India