



EIE INSTRUMENTS PVT. LTD.
(An ISO 9001:2015 Certified Company)

PIN HOLE TEST APPARATUS - FOR SOIL - ASTM D4647

Pinhole Dispersion Device characterizes the dispersive properties of clay soils used in the construction of earth embankments and dams. Water is directed through a small hole drilled through the compacted specimen. Observation of effluent cloudiness and final size of the pinhole qualitatively classifies soil discursiveness. Additional computations of the water flow rate may also be required. A comparison with other methods indicates that the pinhole test has the best correlation with the actual erosion characteristics of cohesive soils.

A Plexi glass mold is held to the base by a unique clamping ring while the specimen is compacted. The end cap has a pilot hole for drilling the 1.0 mm (.040in) hole through the sample. Chamber and end-caps, mold, screens, base stand, a constant-head reservoir, tubing, pipet, and a tool for drilling the pinhole are included .

Features:

- Measures dispersive characteristics of cohesive soils
- Evaluates soils for dams and embankments

Included Items:

- Pinhole Dispersion Device
- Chamber and End Caps
- Mold
- Screens
- Stand
- Constant-Head Reservoir
- Tubing
- Pipet
- Drilling Tool

Corporate Office:

A-1301, BVR Ek, Opp. Hotel Inder Residency,
Near Gujarat College, Ellisbridge,
Ahmedabad-380 006.
Phone : (079) 6621 1234
Website : www.eieinstruments.com

Calibration Laboratory:

Survey No. 1098, Nr. Mahakali Temple,
Opp. Primary School, Village Kubadthal,
Tal-Daskroi, Ahmedabad-382 433.
Phone: (079)-3520 8300
E-mail : info@eieinstruments.com

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