Email : sales@scilabexport.com
Phone: +91-7082934803

Product Name :

Falling head permeability apparatus

Product Code :

SLE/CE/60



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Phone: +91-7082934803

Description :

Falling head permeability apparatus (Product Code: SLE/CE/60) is a soil permeameter used to determine the coefficient of permeability of soil by timing how quickly water falls in a standpipe as it seeps through the specimen. It is recommended for soils with permeability from 10^{-3} to 10^{-7} cm/s and particles no larger than 10 mm, and it can also be used with a constant head. It comes from **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM engineering lab equipment manufacturer that makes it at its own factory in Ambala, India.

Specifications

Parameter	Detail
Method	Falling (variable) head; also usable with a constant head
Recommended permeability range	10^{-3} to 10^{-7} cm/s
Maximum particle size	10 mm
Product code	SLE/CE/60
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Falling Head Permeability Apparatus Used For?

In silts, clays and fine sands, water moves so slowly that collecting a measurable volume at constant head would take too long. Instead, water is allowed to fall in a narrow standpipe above the specimen, and the time taken for the level to drop between two marks, together with the standpipe area and the specimen length and area, gives the coefficient of permeability.

The results feed into the design of clay liners, earth dams, foundations and drainage, and students can compare compacted and undisturbed samples of the same soil. It is useful engineering educational equipment for soil mechanics practicals. Saturate the specimen fully, use de-aired water, check joints for leaks before timing, and keep particles to 10 mm or less.

OEM Manufacturer

Jain Scientific Equipments Private Limited, trading as ScienceLab, manufactures the Falling head permeability apparatus as the OEM at its own licensed factory at Saha, Ambala, Haryana. Engineering colleges, research laboratories, dealers and importers buy it direct from the maker instead of through a trading company.

Details not shown here, such as specimen size and standpipe arrangement, can be confirmed with the manufacturer before you order — ask us. More about the company is on the ScienceLab company profile.

Related Civil Engineering Lab Equipment

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