

Liquid Permeameter

Description

The PMI Liquid Permeameter is used to perform fast and accurate measurements of liquid permeability. PMI's Liquid Permeameter is user-friendly, features nondestructive testing, and accommodates a wide variety of samples. The Liquid Permeameter also allows testing under ambient to simulate actual operating conditions.

Principles of Operation

The flow of liquid through a sample is measured by the distance a column of liquid drops in relation to time and pressure. This method gives reproducible results, even for hydrophobic materials, as pressure can be applied up to 200 psi to the liquid column to force the liquid through the sample. Very low permeability samples are tested using an accurate weighing balance to measure liquid flow rate.



Features

- Windows-based software handles all control, measurement, data collection, and report generation; complete manual control also possible
- Compatible with Windows 95 or higher
- Real-time graphical test display depicts testing status and results throughout operation
- Non-destructive testing
- Length of test is approximately 10 minutes
- Wide range of acceptable sample types and sizes
- Multiple sample chambers available
- Minimal maintenance required
- A variety of materials including rocks, vegetables, meat, etc. can be tested



