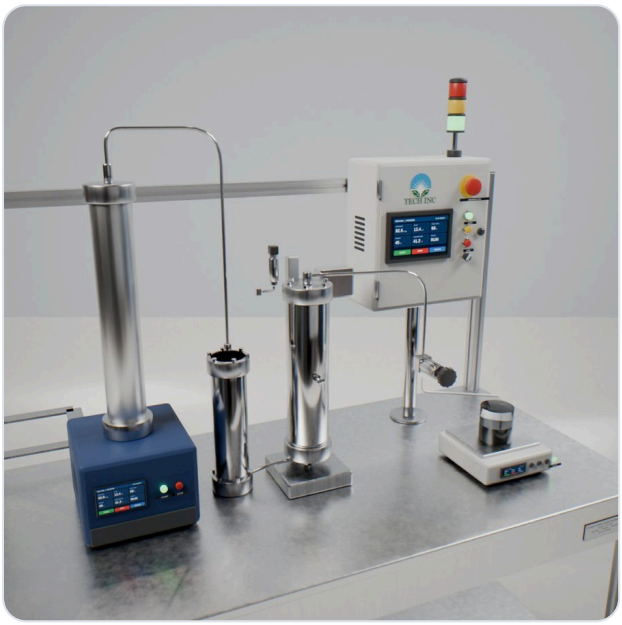
PRODUCT DATASHEET

Steady-State Liquid Permeameter for Cores

Brine and oil permeability by Darcy's law





DETAIL – VERTICAL CORE HOLDER AND BACK PRESSURE REGULATOR

OVERVIEW

The Tech Inc. Steady-State Liquid Permeameter for Cores measures the liquid permeability of a rock core at constant flow. A syringe pump drives brine or oil from a transfer vessel through the confined core, a differential transducer reads the pressure drop, and Darcy's law gives permeability once flow and pressure are steady.

MODELS AND CONFIGURATIONS

- **Ambient model** – room temperature.
- **Heated model** – core holder in an oven.
- **Multi-rate model** – automatic flow steps for non-Darcy checks.

TYPICAL DESIGN DATA

Model	TI-SLP-300 series
Permeability	About 0.01 mD to 10 D
Flow	About 0.001 to 50 mL/min
Confining pressure	Up to about 700 bar
Core size	1 and 1.5 inch diameter
Fluids	Brine, oil, water

APPLICATIONS

Brine and oil permeability, formation damage and return permeability, fines migration, and permeability under stress.

KEY ADVANTAGES

- **Direct** – liquid permeability, no slippage correction
- **Stable** – pulse-free syringe pump
- **Versatile** – return permeability and damage tests
- **Upgradeable** – to a full core flooding system

Designed and built by Tech Inc. · **Part of the Davey Group since 1990**

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