PRODUCT DATASHEET

Automated Multi-Sample Core Porosimeter and Permeameter

Porosity and permeability for 12 plugs, unattended





DETAIL – 12-PLUG CAROUSEL

OVERVIEW

The Tech Inc. Automated Multi-Sample Core Porosimeter and Permeameter measures helium porosity and gas permeability on up to twelve core plugs without an operator. A carousel loads each plug into a confined holder; Boyle's law expansion gives pore volume and porosity, and a pressure fall-off test gives Klinkenberg-corrected permeability.

MODELS AND CONFIGURATIONS

- **12-plug model** – standard carousel.
- **Single-plug model** – manual loading, lower cost.
- **High-stress model** – net confining stress to reservoir level.

TYPICAL DESIGN DATA

Model	TI-MSP-120 series
Porosity	Boyle's law, helium
Permeability	About 0.001 mD to 10 D (Klinkenberg corrected)
Core size	1 and 1.5 inch diameter
Confining pressure	Up to about 70 bar standard
Capacity	12 plugs per load

APPLICATIONS

Routine core analysis laboratories, service companies and research groups measuring porosity and permeability on large plug sets.

KEY ADVANTAGES

- **Unattended** – twelve plugs per load
- **Consistent** – same procedure on every plug
- **Fast** – combined porosity and permeability
- **Traceable** – calibration plugs and audit trail

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

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