

M9140 CORE POROSIMETER



- Air relief valve prevents over pressurization.
- Calibration block included.
- Digital display of pressure.
- Calculation spreadsheet included.
- Compact size.
- Easy to maintain.
- Precision regulator and display for accurate pressure control.
- Precise pressure transducer provides accurate pressure measurement.
- Optional vacuum pump is available (sold separately) for evacuation of core sample.

PRODUCT DESCRIPTION

Designed for Compact, Fast, and Easy Operation

The Grace Instrument M9140 Porosimeter is designed to measure the effective porosity of a core sample with high-precision. Effective porosity is the percentage of all the interconnected pore space to the whole core sample and is critical to considering the suitability of rocks or sediments of oil or gas reservoirs.

The M9140 Core Porosimeter utilizes Boyle's Law to calculate the volume through pressure change during the expansion of helium or nitrogen.

Efficient, Dependable Design

A Microsoft Excel® spreadsheet template is provided with each unit to calculate the porosity using the pressure reading on the digital display. The M9140 measures core samples up to 1.5" in diameter and up to 3" in length. Other sample holder sizes are also available.

SPECIFICATIONS

Core Diameter	Up to 1.5"
Core Length	Up to 3"
Nitrogen/Helium Requirement	200 psi Minimum
Voltage	120/240V AC
Frequency	50-60 Hz
Power	50 W
Dimensions	16" W x 12" D x 12" H
Weight	30 lbs.