

Helium Porosity (PO-R30)



Description:

The Helium gas Porosimeter determines the sample's grain and pore volume via an isothermal helium expansion and works based on Boyle's and Charles' law. Porosity is usually expressed as a percentage of the core plug's total volume. The device tolerates an injection pressure of up to 10 bar. Each sample matrix cup is interchangeable and is provided with stainless steel billets for calibration.

Technical Specification:

Core holder
Core diameter: 1.5 inch
Core length: 4 inch
Maximum injection pressure: 10 bar
Pressure transmitter
Pressure transmitter accuracy: 0.01% full scale
Porosity range: 0-50%
Standard billets for calibration × 1 set
Standard check plugs × 1 set
Automatic valves
Special software for calibration, automatic initial and final pressure recording, calculation porosity, pore volume, grain density and bulk volum