

Digital Helium Porosimeter



Analytical degree laboratory equipment, used to measure the Grain Volume and Pore Volume in rock samples. With the data measured by the equipment, plus the weight and bulk volume of the sample, the porosity and grain density of rocks is calculated. Its measurement principle is based on Boyle's Law for gases at constant temperature.

The design of the Equipment allows easy handling, quick measurement and accurate results. It is built with components of the highest quality, offering long life, low maintenance and high reliability.

The Digital Porosimeter has a measurement system, which consists of two pressure transducers, a thermocouple, programmable digital indicators, pressure gauges, 316 stainless steel connectors, flow lines and quick external connectors allowing the connection of various Core Holders for measurements on high confinement samples of several diameters.

Sample Holder "Matrix Cup" type, for samples of $1\frac{1}{2}$ and $1" \times 3"$ in length, allows measurements results under laboratory conditions and is also supplied with blocks in stainless steel for calibration.



Ingenio que transforma el mundo

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Código N° SC 2932-1

Digital Helium Porosimeter



TECHNICAL SPECIFICATIONS

Dimensions: Length 56cm, Height 55cm and Depth 30 cm

Approximate Weight: 30 kg

Power: 110/240V- 50Hz 60Hz

Porosity Range: <0.5% to 40%

MEASUREMENT SYSTEM:

Measurement Fluid: Helio @ 100 psi

Pressure Control: Helium Pressure Regulator

Helium Pressure Display: Pressure Gauge Ø 2 ½ ", 0-100 psig

Pressure transducer: 0-100 psig

(Accuracy: ± 0.15% full scale ± 0.2% full scale Stability: ± 0.2% full scale)

Temperature Measurement: PT 100

Digital Temperature Indicator: 3 decimal digits, Full programming options

SAMPLE HOLDER OPERATION :

Operating Fluid: Nitrogen Gas @ 150 psi maximum

Pressure Control: Nitrogen Gas Regulator

Inlet pressure gauge: Ø 2 Gauge ", 0-300 psi

2. EXTERNAL CORE HOLDER (Sold Separately)

Type: radial or Hydrostatic, Quick Sample Loading and Unloading

Material: 316 Stainless Steel

Confining Fluid: Mineral Oil

Maximum Confining Pressure: 10.000 psig

OPTIONAL ACCESORIES

Software for Windows ®

Laptop with Base



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