

تخلخل سنج با هلیوم

Helium Porosimeter (HPHeP-2000)



Apex technologies co., designed and constructed helium porosimeter generally based on the Boyle's and Charles' law expansion of helium gas and is used for direct grain volume and pore volume measurement using an expansion cell at isothermal conditions. A data acquisition computer available for two of these types of equipment enable the operator to fully control the post expansion and after expansion pressures of the system and even to log these data and calculate the porosity, grain density, bulk volume etc. this type of equipment is designed only for regular shape core plugs identical cylindrical. In addition, it is possible to change the type of the core holder by a Hassler type core holder enable the operator to measure the porosity of the rock sample under the confining pressure important for some application especially gas storage purposes.

Catalogue
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Technical Specifications:

- ✓ Online professional software to calculate bulk volume, pore volume, grain density, grain volume, ...
- ✓ Rock surrounding pressure: up to 400 bar
- ✓ Expansion cell pressure: up to 150 bar
- ✓ Pressure accuracy: 0.05 % full scale
- ✓ Pressure regulator: up to 150 bar
- ✓ Pressure transmitter: 150 bar
- ✓ Pore pressure: up to 150 bar
- ✓ Porosity range: 0.5-40 %
- ✓ Manual hydraulic pump
- ✓ Calibration set ×1 set
- ✓ HP core holder ×1
- ✓ Pressure gauge
- ✓ Core properties:
 - Core length: up to 4"
 - Core diameter: 1.5"

