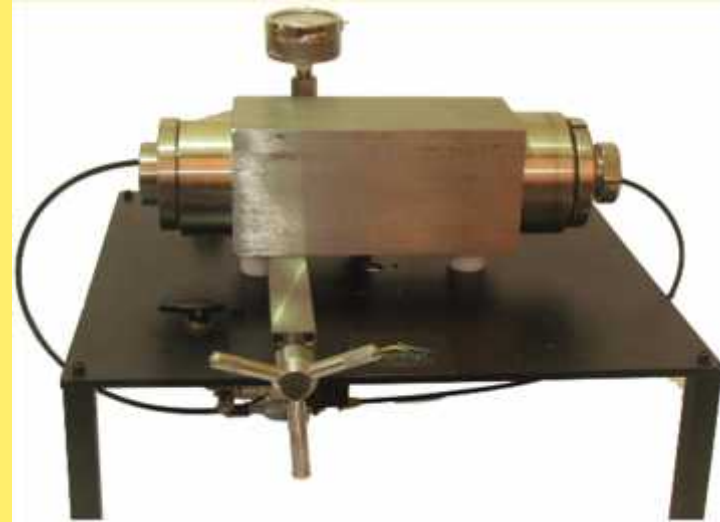


تخلخل سنج با هليم

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.

Technical Specifications:

- ✓ Online professional software to calculate bulk volume, pore volume, grain density, grain volume, ...
- ✓ Rock surrounding pressure: up to 6000 psi
- ✓ Keller Pressure transmitter × 1: 150 bar
- ✓ Expansion cell pressure: up to 6000 psi
- ✓ Pressure accuracy: 0.01 % full scale
- ✓ Pressure regulator: up to 2000 psi
- ✓ Pore pressure : up to 2000 psi
- ✓ Pressure guage×1 (WIKA)
- ✓ Manual hydraulic pump×1
- ✓ Porosity range: 0.5-50 %
- ✓ HP-HT core holder ×1
- ✓ Calibration set×1 set
- ✓ Core properties:
 - Core length: up to 4”
 - Core diameter: 1.5 ”