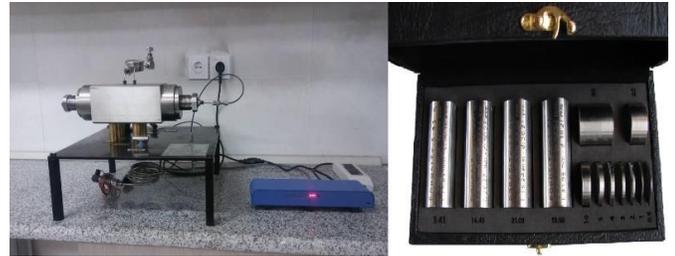




دستگاه اندازه گیری تراوایی با مایع
Liquid Permeability Measurement
(LPAA-400)

The robust liquid permeameter allows the determination of a plug- sized core sample's absolute permeability at ambient temperature and moderate confining pressure. This is achieved by virtue of the steady-state method; specifically, permeability is obtained by inputting the measured pressure gradient and flow rate into Darcy's law for one dimensional flow in porous media. The instrument comprises a hassler core holder, a fluid transfer vessel, a console with pressure digital display, 3 interchangeable burettes for various permeability ranges, an electronic timer to deduce flow rate and an Excel spread sheet calculation template. The device is specifically designed to teach students the principles of liquid permeability in a clear and efficient manner. The short duration of the experiment reinforces the practicality of this apparatus in an educational setting.



Technical Specification:

Permeability range: 0.005 to 1000 mD
Coreholder: Hassler type (easy load type)
Core diameter: 1.5"
Core length: 1-3.5"
Confining pressure: 400 bar
Confining valve: VEE LOK
Hydraulic hand pump
Pressure transmitter: Rosemount (USA)
Pore pressure: 1000 psi
Pressure accuracy: 0.05 % FS
Pressure indicator
Valves: Swage Lok/Whitey (USA)
Confining pressure gauge: 600 bar

09188645324
 07138225212



apextechnology.co@gmail.com



www.apextechnologiesco.ir

