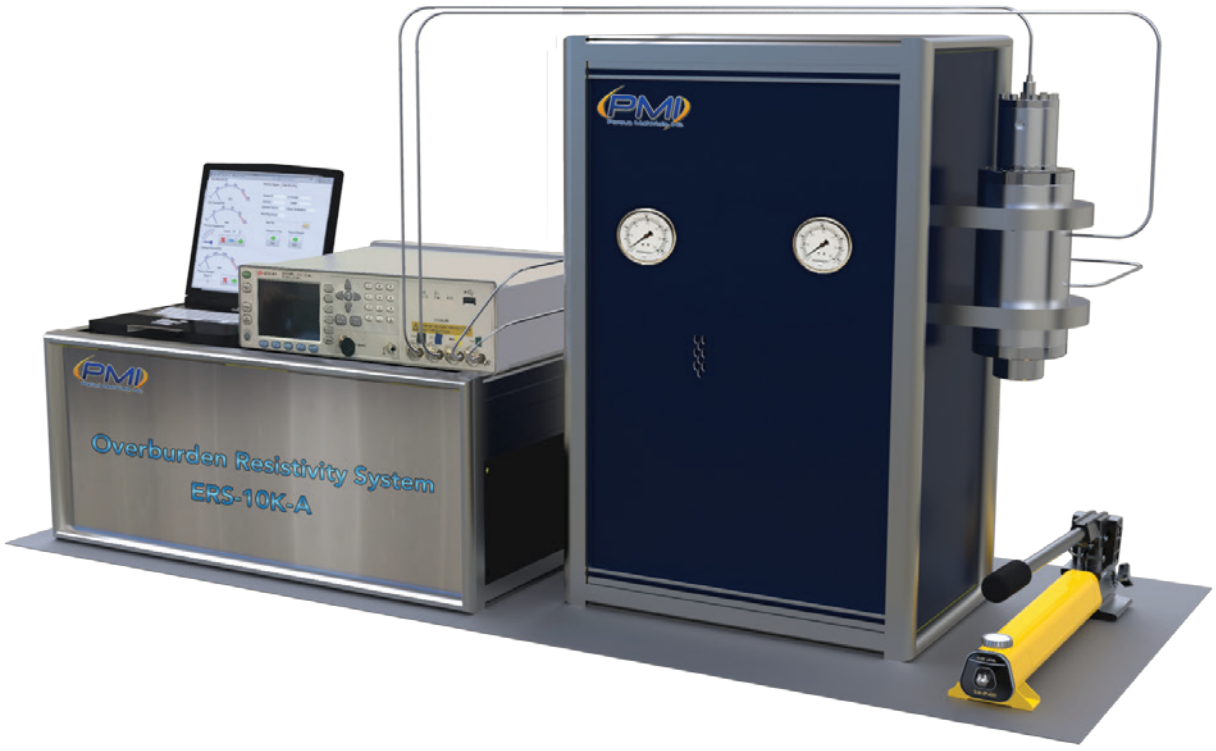
Porous Materials, Inc.



Not just products... Solutions !

OVERBURDEN RESISTIVITY SYSTEM
ERS-10K A

DESCRIPTION

The PMI's Overburden Resistivity System has been designed to work with a variety of samples with effortless and simple setup. The ERS-10K is ideal tool for the measurement of rock resistivity for both fully and partially brine saturated core samples at overburden pressure.

The ERS-10K, features overburden pressure of 10K, programmable Resistivity meter, atmospheric core holder and 4 electrode measuring system.

The software will fully control the instrument while running a test. The data is automatically recorded and the reporting program will display the results for the test as well as export the results into Microsoft Excel© or Microsoft Word©. The machine is robust and requires minimal maintenance. The finest technology has been used in the production of this machine to provide the most accurate results.

Overburden electrical core holder:
The hydrostatic electrical core holder is designed to allow measurements of electrical properties on core samples, both formation factor and resistivity index at overburden pressure of 10,000 psi.

Confining pressure pump:
The core confining pressure is applied using a hydraulic hand pump rated up to 10,000 psi. It is equipped with a pressure gauge and an isolation valve.

SPECIFICATIONS

- **Core Sample Dia:** 1.0" to 1.5"
- **Core Sample Length:** upto 5" (Others available upon request)
- **Confining pressure:** 10,000 psi
- **Temperature:** Room condition
- **Resistivity Meter:**
  - Up -to 4 Electrodes measurements
  - Resistance: Up to 200 MΩ
  - Frequency: Variable frequency range
  - Resistance accuracy: 0.1%
- Alarms and Calibration window
- Data Acquisition system with PC
- Auto & Manual Mode
- **Power supply:** 220 VAC ±10 VAC , 50 ±1 Hz
- **Environmental Temperature:** upto 45^{o}C
- **Enivronmental Humidity:** upto 85%

FEATURES

- Data is recorded by PMI Software in either Manual or Auto Modes
- RCL Meter controlled through PMI software
- Conductivity Probe
- Educational Controlled System (ECS)
- 2/4 Electrode Measuring System
- Simple sample setup
- Core holder designed to eliminate operator error during the loading process
- Silver membranes insure good electrical contact for accurate measurement
- Simple test setup in PMI software
- Instructional video for operation of machine
- Wetted Materials: 316 SS, Viton, Teflon/Silver
- **SOFTWARE FEATURES**
  - Graphic presentation of the data for evaluation and analysis of test results
  - Exporting graphic files to Microsoft Excel© or Microsoft Word© files for report generation.
  - PMI Software includes integrated detailed help system.

TESTING PROCEDURE

The PMI Overburden Resistivity System is able to be used as in Auto or Manual mode. In manual mode every component can be controlled manually, but at the same time no improper action is allowed. The user inserts the rock core into the core holder with the appropriate spacers and sleeves, then closes the chamber. Then the software will record the readings from the RCL meter and display them for the user to read.

SALES & SERVICE

We at Porous Materials Inc., have dedicated sales team helping thousand's of our customers identify the right solution for their scientific problems. We are also proud to offer customized instruments for your unique needs. Our service and applications team is committed to effective support with short response times, we offer comprehensive range of solutions from new and customized systems, calibration and maintenance to testing services.

Explore more about us at www.pmiapp.com

Customize Your Machine Today !

*Disclaimer: *We are continously improving our products, Design is subject to change without prior notice.*

The most advanced, accurate, reproducible and easy to use Overburden Systems in the world

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