TESTING LAB INSTRUMENTS

Email : sales@testinglabinstruments.com

Product Name : Pore Water Pressure Apparatus	**Product Code :** TEST5018RFQLAB-0001

Description :

Pore Water Pressure Apparatus (0-1000kpa), Pore Water Pressure apparatus (0-2000kpa)

Technical Specification :

Pore water pressure apparatus mounted on a steel panel, fitted with pressure gauge, mercury manometer, brass scale graduated 50-0-50 cm., drainage burette 50 ml, null indicator with copper coil, Piston pump (hand operated) and water reservoir.
Pressure range 0 – 1000 Kpa

Proving Ring
Clamped boss load ring is a sensitive piece of equipment for the measurement of load with high degree of accuracy. Repeatability of this ring is better than 0.2% of the indicated load. In general these rings confirm to IS 4169 Load range is very wide but most commonly

Dial Gauges
Clamped boss load ring is a sensitive piece of equipment for the measurement of load with high degree of accuracy. Repeatability of this ring is better than 0.2% of the indicated load. In general these rings confirm to IS 4169 Load range is very wide but most commonly used ring

Electronic Instrumentation for Triaxial test
Electronic measuring system for Triaxial setup :- 4 channels data acquisition system for Triaxial setup. The unit has been developed to provide a modern and simple alternative to mechanical measuring system. This system monitors all the parameters of drained or un-drained Triaxial test namely axial load, pore pressure, axial strain.

Volume change measurement
is optional. All the parameters are displayed in their respective engineering unit. Membrane type key board is provided for programming time interval, day & date Communication port RS232 has been provided vfor interfacing with the computer.

Sensors Load Cell -10 kN Capacity
Pore Pressure transducers with de-airing block – 2000kpa
Displacement sensor – ± 20mm

Electronic Data Acquisition System For The Triaxial Shear Test Equipment
The four-channel micro controller based signal conditioning and touch panel display unit is suitable to measure Axial load, Pore/Back pressure, Vertical displacement and Volume change (optional) directly indicated in their respective engineering units during Triaxial Testing. The system receives the output signal from the sensors i.e. Load cell, Pore/Back pressure sensor, Displacement Sensor and Volume change (optional) sensor attached to the Triaxial shear Test apparatus. The data of all four channels of Triaxial Shear Test can be transferred to computer through RS-232/ Ethernet and can be online monitored. The Unit also provides the facility of online monitoring of data of all the sensors on Touch Panel Display provided at the front.

Broadly the following facilities are incorporated in the system:-
Touch panel is provided to perform various operations such as TARE, PROGRAMMING, START, STOP etc.
Independent Taring of each channel
Data transfer interval is programmable (between 10 second to 1 hour)
Automatic data saving on stop button.
There are 25 set results having a maximum of 200 data points per set can be stored in the electronic unit .The sample number can be programmed.
Online date and time of test will be stored along with the data.
On line (while the test is in progress) data transfer to the computer through RS232/ Ethernet port.

We are a leading manufacturers of Pore Water Pressure Apparatus testing equipment for a range of industries, including materials science testing lab. We offer full range of Pore Water Pressure Apparatus testing equipment, including Pore Water Pressure Apparatus testing kit, Pore Water Pressure Apparatus testing machine, Pore Water Pressure Apparatus testing tools, Pore Water Pressure Apparatus test equipment, Pore Water Pressure Apparatus test machines, Pore Water Pressure Apparatus for Lab Testing Instruments. We are suppliers of materials testing tools and equipment for the construction industry. Our mission is to provide reliable, accurate, and easy-to-use Pore Water Pressure Apparatus testing equipment that helps customers build better, safer, and more sustainable infrastructure.

TESTING LAB INSTRUMENTS

Testing lab instruments India