

Product Name :
Automatic Triaxial

Product Code :
TEST5194RFQLAB-0023



Description :

Automatic Triaxial

Technical Specification :

Automatic Triaxial
Load frame and triaxial cells with accessories
Tests system
Data acquisition and control unit connected to PC using a LAN
Network
Hydromatic 2 pressure/volume controllers with automatic
Open/close valves: the pressure controller reach up to 3500 Kpa
and have a volume capacity of 250 cc.
Control system
Closed loop feedback
Hydromatic 2 for cell pressure
Hydromatic 2 for back pressure
Tritech triaxial load frame
Data acquisition system: Axial force
For measurement: Axial displacement
Cell pressure
Back pressure
Volume change by Hydromatic 2
Pore water pressure

Data acquisition and Triple pressure extension unit having 3 Hydromatic pressure/volume.

Control unit: controllers, 12 transducers and 3 solenoid valve

Analogue[digital converter :16-bit

Additional transducer gain range:± 20 mV % ± 10 V

Ethernet Connection to PC:16 bit

Dimension:W 330* D 240*H 144 mm

Weight: 6 Kg

Power supply:110-240 V 50/60 Hz,1ph

The sensors connect to the units is with complete traceable calibration certificate

Accessories

High specification desktop PC with LCD monitor.Operating system

MS Windows preinstalled.8 port LAN HUB converter for AUTOTRIX 2

connection.110-240 V /50-60 H/1ph

LAN Hub with 8 ports for Wykeham Farrance devices

Pressure and Volume Hydromatic 2

Controller

Output pressure :3500 Mpa

Volume capacity:250 cc

Pressure Resolution:0.1 Kpa

Volume resolution:0.001 cc

Pressure Accuracy:0.1 % of full scale

Closed loop control of pressure:regulated to 0.001 cc

Dimension :W 470 *D 140 *H 160 mm

Weight :5 Kg

Power supply:110-240 V 50/60 Hz,1ph

Solenoid valve speed:Accessories

Water Distribution panel for automatic triaxial testing

Nylon tubing 6 mm bore* 8 mm outside diameter ,10 mm length

Pressure transducer 3500 Kpa capacity for pore water pressure

De-airing block for connecting a pressure transducer to a banded

Triaxial cell

Automatic Volume: capacity :100 cc

Change apparatus: Accuracy:0.1 cc

Operating pressure:2000 Kpa

Dimension:W 280* D 260* H 400

Weight :9 Kg

Power supply:24 V Dc direct from the pressure expansion unit- unsaturated, Automatic control: device management software and processing software

The software is Supplied as standard with the system

Up to 11 points of calibration can be recorded

Full scale limits can be set for all the transducers and pressure/volume

Controllers to prevent over-travel and possible damage

Controller tuning,water refilling of pressure controllers

Test software

Input of project,sample and test details and parameter

Template for Data processing

Automatic data importing

Processing and reporting of results to BS or ASTM standard

Testing lab instruments India

