

Testing Capabilities

- Fully Automated Permeability
- Semi-Automated Permeability
- Rowe Cell Hydraulic Consolidation

Testing Capabilities with the addition of LoadTrac II

- Triaxial and Stress Path
- Fully Automated Permeability
- Cyclic Triaxial with Electromechanical Actuator



TECHNICAL SPECIFICATIONS

CAPACITY

45 kN (10,000 lbs.)

VERTICAL MOTOR

Stepper motor with built-in controls for vertical load

HORIZONTAL MOTOR

Stepper motor with built-in controls for horizontal load

SPEED RANGE

0.00003 to 7.5 mm per min.
(0.000001 to 0.3 in per min.)

VERTICAL TRAVEL

90 mm (3.5 in.) resolved to 0.002 mm
(0.00008 in.)

HORIZONTAL TRAVEL

90 mm (3.5 in.) resolved to 0.002 mm
(0.00008 in.)

MODELS AND FRAME CAPACITY

Cyclic DSS-10000: 45 kN (10,000 lbs.)
frame capacity in both directions

ACCESSORIES

Geo-NET™: Network card and cable to link ShearTrac III to PC

SHEAR: Software package to automatically run consolidation and direct shear test on Cyclic ShearTrac III-DSS

SHEAR.REPORT: Editing / reporting software package

GRIPPING PLATES: Optional for GCL testing