

Testing Capabilities

- 1-D incremental consolidation up to 32 steps
- Constant volume swell
- Constant stress swell (free swell)
- Constant displacement rate control shear
- Constant load control rate shear
- Fully automated residual shear up to 32 independent steps where each step can be controlled with any displacement or load
- Direct simple shear up to 32 independent steps with addition of DSS module (hardware and software)



TECHNICAL SPECIFICATIONS

Stand alone capability for manual control and data acquisition

Geo-NET™ compatibility for network accessibility and control

Up to 4.4 kN (1,000 lbs.) load capacity

High precision micro-stepper motors for both vertical and horizontal load and displacement applications

Does not require dead weights or compressed air

Two (2) built-in displacement transducers +/- 12.5 mm (+/- 0.50 in.)

horizontal and 25.45 mm (1.00 in.) vertical with 0.0013 mm (0.00005 in.) resolution

Built-in electronic controls for automatic display of data and control of test; accurate displacement rate control from 0.00003 to 15 mm per minute (0.000001 to 0.6 in. per minute)