

TRIAXIAL & STRESS PATH

LOADTRAC II / FLOWTRAC II OR III

Our range of systems for triaxial testing fully automate Unconsolidated Undrained (UU), Consolidated Undrained (CU), Consolidated Drained (CD) and/or any possible stress path tests on soil and soft rock. The systems automate the initialization, saturation, consolidation (isotropic, anisotropic, or Ko) and shear phases along any stress path (drained, undrained, or mixed) of a test. Once a soil sample is in place, and the test conditions selected, the system will run the entire triaxial test from start to finish. There are multiple configurations available to suit a variety of technical requirements and budgets. The combination of ease of use, flexibility in test parameters and versatility to perform an array of tests is unmatched in the industry.

- Built in safety features
- Smart and sophisticated technologies to simplify testing
- Repeatable, reliable, and accurate results you can trus
- Real-time and remote test parameter changes for quality control
- Convenient reporting and data export
- Faster, smarter, better: designed with full automation and manual control options
- Easy upgrade to perform additional test types
- Designed and manufactured in the USA

Applicable Test Standards

- ASTM D2850, D4767, D7181
- AASHTO T296, T297
- BS 1377-6, BS 1377-7, BS 1377-8
- ISO/TS 17892-8, ISO/TS 17892-9
- AS 1289.6.4.1, AS 1289.6.4.2



Standard Triaxial & Stress Path System

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TECHNICAL SPECIFICATIONS LOAD CAPACITY 45 (10 klbf) or 90 kN (20 klbf) **MOTORS** Micro-stepper system with built-in controls RATE OF DISPLACEMENT 0.00003 to 25 mm per minute; (0.000001 to 1.0 in per minute) PRESSURE/VOLUME CAPACITY • 150 psi (1035 kPa) / 200 cc 200 psi (1400 kPa) or 500 psi (3500 kPa) / 250 cc • 200 psi (1400 kPa) / 750 cc **FLOW RATE** Min Speed 0.0003 cc/min 0.00001 fl oz/min Max Speed 1054 cc/min 36 fl oz/min Built-in displacement transducer with 76 mm (3 in) range and 0.0013 mm (0.00005 in) resolution **POWER** 110/220 V. 50/60 Hz. 1 phase **DIMENSIONS** LoadTrac II FlowTrac III FlowTrac II 464 x 546 x 1206 mm 203 x 406 x 470 mm 203 x 457 x 260 mm (18 x 21.5 x 47.5 in) (8 x 16 x 18.5 in) (8 x 18 x 10.25 in) **WEIGHT** LoadTrac II FlowTrac II FlowTrac III 55 kg (120 lbs) 14 kg (30 lbs) 11 kg (25 lbs) **INCLUDED** • GeoNet-U USB 2.0 network adapter and cable to link to PC/laptop • UU, CU, CD, SP software modules to automatically run and report tests **ACCESSORIES** · Triaxial cells up to 152 mm (6 in) diameter · Membranes, porous stones, and sample preparation accessories upon request TRIAXIAL.REPORT: editing/reporting software for multiple tests **WARRANTY** 12 month warranty; extended warranties available User Friendly Interface File View Run Calibrate Control Report Options Help Project Specimen Water Content Read Table Test Parameters Initialization Consolidation/A Table Saturation Consolidation/B Table Shear Table embrane Correction Factor: 4 2000009441975 | Ib/in

Time to 50% Consolidation: 0

Test Standard: USCOE EM1110-2-1906 v

