

CYCLIC TRIAXIAL

LOADTRAC II / FLOWTRAC II / CYCLIC - RM

The Geocomp cyclic triaxial system completely automates cyclic and static triaxial testing in a single, versatile unit. The system is comprised of only three main components and does not require extra air bladders, vacuum pumps, or wall-mounted elements that take up valuable lab space and require extra maintenance. An advanced, high-performance linear actuator with low inertia servo drive system provides the fastest response time. This is combined with a high-resolution feedback control system (closed loop and adaptive) for the most accurate and repeatable results. The benefit of a fully active load frame allows users to add their compression tests to the system at low cost to maximize their investment.

- Consolidate isotropically, anisotropically or K_o
- Run drained and undrained cyclic stress. strain controlled tests
- Post-cyclic drained/undrained loading
- Built in safety features
- Smart and sophisticated technologies to simplify testing
- Repeatable, reliable, and accurate results you can trust
- 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 D3999, D5311



Standard Cyclic Triaxial LoadTrac II / FlowTrac II

CYCLIC TRIAXIAL LOADTRAC II / FLOWTRAC II / CYCLIC -RM

TECHNICAL SPECIFICATIONS		
LOAD CAPACITY		
4.5 (1 klf) or 9 kN (2 klf) at 200 mm (8 in) per second		
CONTROL		
<ul style="list-style-type: none"> Stress (load) Strain (displacement) 		
CYCLIC RATE		
Up to 10 Hz		
TYPE OF CYCLIC LOADING		
Cyclic stress/strain controlled sinusoidal and irregular user defined waveform		
PRESSURE		
0-1400 kPa (0-200 psi)		
POWER		
208-240 V, 50/60 Hz, 1 phase		
DIMENSIONS		
LoadTrac II 464 x 546 x 1206 mm (18 x 21.5 x 47.5 in)	FlowTrac II 203 x 406 x 470 mm (8 x 16 x 18.5 in)	Cyclic-RM 203 x 406 x 470 mm (8 x 16 x 18.5 in)
WEIGHT		
LoadTrac II 55 kg (120 lbs)	FlowTrac II 14 kg (30 lbs)	Cyclic-RM 14 kg (30 lbs)
INCLUDED		
<ul style="list-style-type: none"> GeoNet-U USB 2.0 network adapter and cable to link to PC/laptop CYCLIC7N software module to automatically run and report tests 		
ACCESSORIES		
<ul style="list-style-type: none"> FlowTrac II models available <ul style="list-style-type: none"> 200 psi (1400 kPa) or 500 psi (3500 kPa/ 250 cc) 200 psi (1400 kPa)/ 750 cc 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		

