

TRIAXIAL

LOADTRAC III / FLOWTRAC II OR III

The LoadTrac III / FlowTrac II or III system for triaxial testing offers an affordable, high-quality solution for any lab setting. It performs Unconsolidated Undrained (UU), Consolidated Undrained (CU) and Consolidated Drained (CD) testing. Once the sample is placed and test parameters set, the system automates all phases of the test from start to finish - initialization, saturation, consolidation (isotropic, anisotropic, or Ko) and shear. The LoadTrac III and FlowTrac II or III units take minimal space, require no external connections other than water source, and need minimal maintenance. Additional common test methods can easily be added (1-D Incremental Consolidation, CRS Consolidation, Unconfined Compression), which makes return on investment best on the market.

- 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 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 System

TRIAXIAL LOADTRAC III / FLOWTRAC II OR III



TECHNICAL SPECIFICATIONS	Typical Test Output (example)
	Consolidated Undrained by ASTM D4767
Up to 11 kN (2.5 klbf)	4 + - + - + - + - + - + - + - + - + - +
MOTORS	3 (Max Obliquity
Micro-stepper system with built-in controls	
RATE OF DISPLACEMENT	
0.000013 to 42 mm per minute	
(0.0000005 to 1.6 in per minute)	p*, tsf Axial Strain, % Symbol Sample ID U-3 U-3 U-3 U-3 U-3
PRESSURE/VOLUME CAPACITY	Depth 10-21* 2+48 # 593.31 Tern Number CX64-1 CX64-2 CX64-3 Height in 4.230 4.100 4.200 Dimenser, in 2.2010 2.2010 2.2010
 150 psi (1035 kPa) / 200 cc 200 psi (1400 kPa) / 250 cc 200 psi (1400 kPa) / 750 cc 	Image: Section 2014 (Section 2014) 31.4 32.0 52.8 If Dynamics, product 2014 50.1 52.0 60.5 Sauration (VeX Method), % 53.6 99.6 99.5 Void Ratio 0.53.9 0.54.4 Mosture Content, 14 22.8 53.2 22.4 Mosture Content, 14 22.8 3.53.2 22.4 Mosture Content, 14 22.8 3.53.2 22.4 Sourcision, 15, 10, 10, 10, 10, 10, 10, 10, 10, 10, 10
FLOW RATE	Back Presents thr 9.962 9.962 10.07 Versical Effective Consolidation Stress, thr 0.7355 2.882 5.035 Honomal Effective Consolidation Stress, thr 0.3922 1.964 3.263 Versical Stress and consolidation Stress, thr 0.3522 1.964 3.263
Min Speed 0.0003 cc/min 0.00001 fl oz/min Max Speed 1054 cc/min 36 fl oz/min	Volumetric Stran after Consolitation, Vi 1,522 9,598 14.19 Time to SSVn. Consolitation, min 0,000 0,000 0,000 0,000 Silead Strengh, tof 0,2242 0,425 1,272 Strain Fallure, Vi 4,35 6,58 7,65 Detain Rate, Ximin 0,0100 0,0100 0,0100 Detain Rate, Ximin 0,4435 1,455 2,244
TRAVEL	Effective Micro Principal Stress at Falure, tot 0.1331 0.6298 1.163 Effective Micro Principal Stress at Falure, tot 0.3516 2.106 3.708 B-Value 0.35 0.59 0.95
38.1 mm (1.5 in)	Note:
POWER	Visuar for c and a deemend the head if an apt is for the quarks but accelerate. Accelerate the set of
110/220 V, 50/60 Hz, 1 phase	Project Name: ABC Project Location: Anywhere, USA Project Number: TRIAV-1234 Boring Number: B-1 Tester verx Checker; yz
DIMENSIONS	Sample Number: U-3 Text Date: 0218/01/8 Depth: 10-12 # Text Number: CKuU-1 Preparation: tube Elevation: Not Recorded Decorption: Mode: gay day
LoadTrac III FlowTrac II FlowTrac III 305 x 381 x 838 mm 203 x 406 x 470 mm 203 x 457 x 260 mm (12 x 15 x 43 in) (8 x 16 x 18.5 in) (8 x 18 x 10.25 in)	Typcial Test Output (example)
WEIGHT	Consolidated Undrained by ASTM D4767
LoadTrac IIIFlowTrac IIFlowTrac III20 kg (44 lbs)14 kg (30 lbs)11 kg (25 lbs)	
INCLUDED	Sa S
 GeoNet-U USB 2.0 network adapter and cable to link to PC/laptop UU, CU & CD software modules to automatically run and report tests 	
ACCESSORIES	0 + +
 Triaxial cell for samples up to 2.0" (50.8 mm) diameter Membranes, porous stones, and sample preparation accessories upon request Software modules and equipment to perform additional test methods 1-D Incremental Consolidation, CRS Consolidation and Unconfined Compression 	3 Max. Obliquity d' = 0.0555 trif q' = 30.3 $\tan q' = 0.58$
WARRANTY	τ <u>σ</u>
12 month warranty; extended warranties available	
User Friendly Interface	
File View Run Calibrate Control Report Options Help Saturation Consolidation/B Table Shear Table	p ¹ , tsf Sample No. Test No. Depth Tested By Test Date Checked By Check Date Test File
Project Specimen Water Content Read Table Test Parameters Initialization Consolidation /A Table	■ U-3 Crici-1 10-12 h vmr. 00180218 yr. 002180218 Crici-1-Ast ● U-3 Crici-2-3 24-26 h vmr. 02180218 yr. 02180218 Crici-1-Ast ▲ U-3 Crici-3-3 56-22 h vmr. 02180218 yr. 02180218 Crici-3-Ast
Start Phase:	Project Name: ABC Project Location: Anywhere, USA Project Number: TRUX:1234 Boring Number: B-1 Teatr: vmx Checker: yr Sample Number: U-3 Test Date: 2018/2018 Depth: 10-12 /t Test Number: CNU-1 Progradion: Live Elevation: Nor Recorded
Test Type: Consolidated Undrained Test Standard: ASTM D4767	Description Most, gray olay Remarks:

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Time to 50% Consolidation: 0

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