Geocomp

Test Smart. Test with Confidence. Test for Success.

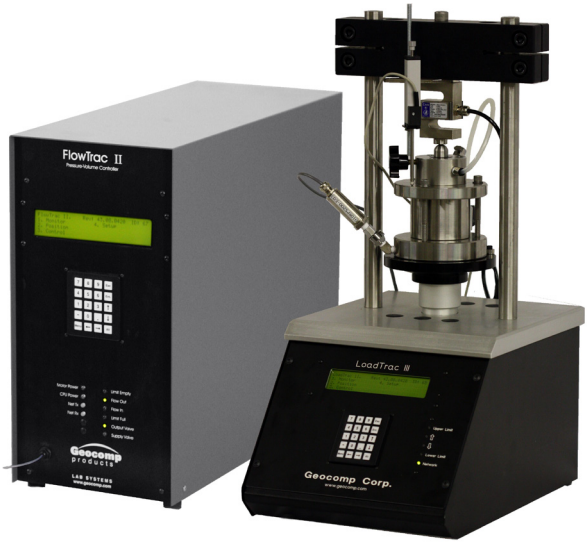
LOADTRAC III

The LoadTrac III system is an affordable, fully automated load frame. It can provide compression testing for several popular geotechnical tests that must have accurate control of the rate of displacement during loading - Incremental Consolidation, Constant Rate of Consolidation, Unconfined Compression, and Triaxial. Once a sample is placed into the load frame and the test conditions are programmed, the system performs the complete test without user intervention. Combined with the power of immediate, built-in reporting capability, the system delivers the fastest results with significantly reduced effort in the lab.

- **Load capacity up to 11 kN (2.5 klbf)**
- **Unmatched automation from test start to finish -** *2 to 32 times faster results and labor time savings of 30% to 95% vs. manual testing*
- **Flexible design -** *perform additional testing on the same platform and save money and space in your lab*
- **Full test control and remote monitoring allows you to take your testing on the go -** *view real-time results, check test quality, and change parameters*
- **Convenient reporting -** *produce complete, compliant reports instantly or export data for desired manipulation*
- **Designed for consistent and repeatable testing you can be confident in**

Incremental Consolidation

Unconfined Compression



Constant Rate of Strain Consolidation

Applicable Test Standards

- ASTM D2166, D2435, D2850, D4186, D4546, D4767, D4829, and D7181
- USACE EM11110-2-1906
- AASHTO T 208, T 216, T 296, T 297
- BS 1377:5, BS 1377:6, BS 1377:7, BS 1377:8
- ISO/TS 17892-5, ISO/TS 17892-7, ISO/TS 17892-8, ISO/TS 17892-9

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TECHNICAL SPECIFICATIONS

LOAD CAPACITY
Up to 11 kN (2.5 klbf)

MOTOR
Micro-stepper system with built-in controls

RATE OF DISPLACEMENT
0.000013 to 42 mm/minute (0.0000005 to 1.6 in/minute)

TRAVEL
38.1 mm (1.5 in)

POWER
110/220 V, 50/60 Hz

DIMENSIONS
305 x 381 x 838 mm (12 x 15 x 33 in)

WEIGHT
20 kg (44 lbs.)

INCLUDED
- Geo-NET PC network card and cable to link LoadTracIII to PC
- Associated module to automatically collect and report desired test data

ACCESSORIES
Incremental Consolidation & Swell:
- Fixed Ring Consolidometer (stainless steel). Includes sample cutting ring, porous stones, and loading ball.
  - Standard size - 2.5 in (63.5 mm); other sizes available upon request

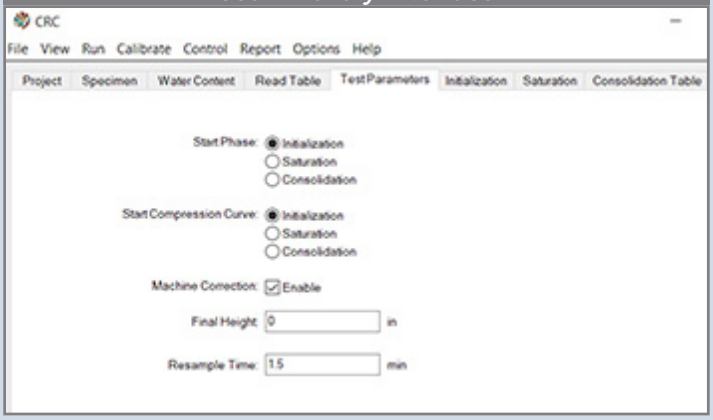
Constant Rate of Strain Consolidation:
- FlowTrac II flow pump (required). Models available:
  - 200 psi (1400 kPa)/250 cc
  - 200 psi (1400 kPa)/750 cc
- Back Pressure Consolidometer (stainless steel) with 200 psi (1400 kPa) pressure sensor. Allows measurement of pore pressure and permeability. Includes sample cutting ring and porous stones.
  - Standard size - 2.5 in (63.5 mm)

Unconfined Compression:
- Load cap and loading cell adapter.
  - Standard size – 3 in (76 mm); other sizes available upon request

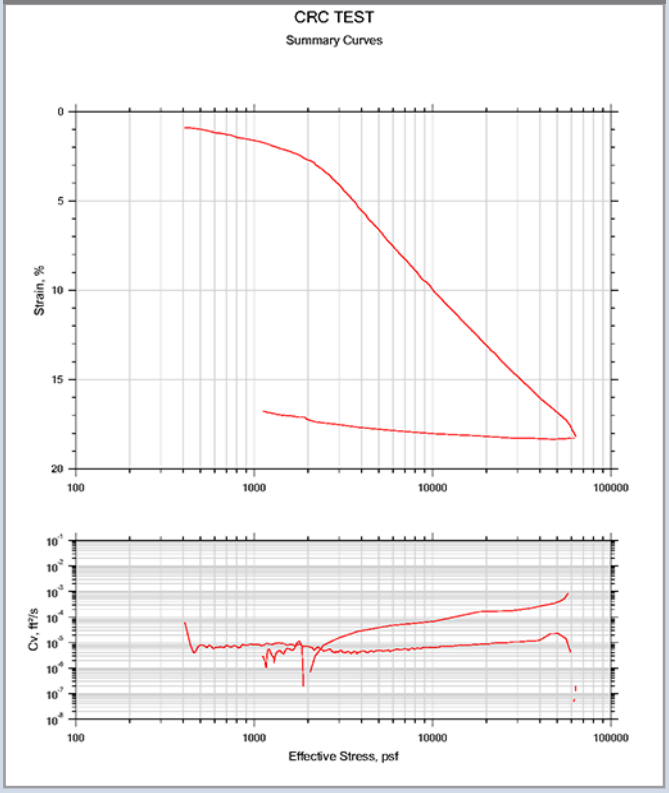
Triaxial:
- FlowTrac II flow pumps (2 required). Models available:
  - 200 psi (1400 kPa)/250 cc
  - 200 psi (1400 kPa)/750 cc
- Triaxial Cell for specimens up to 2 in (50 mm) diameter
- Triaxial testing kits (porous stones, latex membranes, and O-rings)

WARRANTY
- 12 month warranty; extended warranties available

User Friendly Interface



Constant Rate of Strain Consolidation Typical Test Output (example)



Incremental Consolidation Typical Test Output (example)