

## SEMI-AUTOMATED PERMEABILITY

### FLOWTRAC II OR III

The FlowTrac II or III flow pumps provide a unique and versatile way to run flexible wall permeability tests on a wide variety of materials quickly and accurately. By adjusting the gradient or the flow rate across the sample, the system can measure permeabilities of cohesive soils varying from  $10^{-4}$  to  $10^{-9}$  cm/sec. With the appropriate test cells, this one system can determine the permeability of some silty clays within minutes.

- Volume capacity of 200, 250 or 750 cc
- Pressure options of 150 or 200 psi
- 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



Semi-Automated Permeability System

### Applicable Test Standards

- ASTM D5084

# SEMI-AUTOMATED PERMEABILITY FLOWTRAC II OR III



## TECHNICAL SPECIFICATIONS

### PRESSURE/VOLUME CAPACITY

150 psi (1035 kPa); 200 cc (6.7 fl oz)  
 200 psi (1400 kPa); 250 cc (8.5 fl oz)  
 200 psi (1400 kPa); 750 cc (25.4 fl oz)

### MOTOR

Micro-stepper system with built-in controls

### FLOW RATE

Min speed 0.0003 cc/min (0.00001 fl oz/min)  
 Max speed 1054 cc/min (36 fl oz/min)

### POWER

110/220 V, 50/60 Hz, 1 phase

### DIMENSIONS

FlowTrac II 203 x 406 x 470 mm (8 x 16 x 18.5 in)	FlowTrac III 203 x 457 x 260 mm (8 x 18 x 10.25 in)
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### WEIGHT

FlowTrac II 14 kg (30 lbs)	FlowTrac III 11 kg (25 lbs)
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### INCLUDED

- GeoNet-U USB 2.0 network adapter and cable to link to PC/laptop
- Software module to automatically run and report tests

### ACCESSORIES

Permeability cells, membranes, porous stones, and sample preparation accessories upon request

### WARRANTY

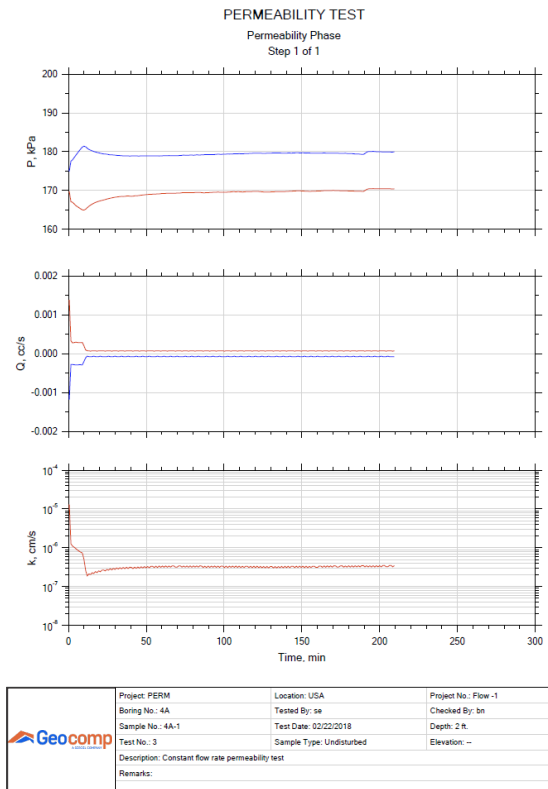
12 month warranty; extended warranties available

## User Friendly Interface

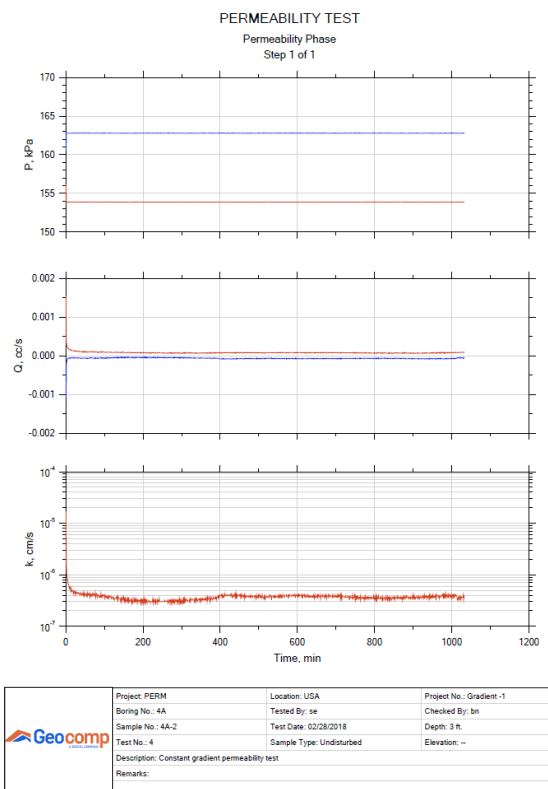
File View Run Calibrate Control Report Options Help

Project	Specimen	Water Content	Read Table	Test Parameters	Initialization		
Saturation	Consolidation Table		Constant Gradient Table	Constant Flow Table			
	Flow Rate cc/s	Allowable Error %	Maximum Duration s	Minimum Duration s	Minimum Gradient	Maximum Gradient	Minimum Effective Stress kPa
1	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0

## Typical Test Output (example)



## Typical Test Output (example)



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