



## LAB1250 COMPLETE HYSTERESIS LAB SETUP

### DESCRIPTION

The Model LAB1250V1 is used for obtaining wetting and drying moisture retention curves.

When the extractor is used in conjunction with the Hysteresis Attachment, the volume of water removed from the sample can be accurately measured and retained at each increasing pressure step.

When pressure values are subsequently reduced, the volume of water that returned to the soil can then be accurately measured.

It is designed so that the outflow section of the instrument is dimensionally stable.

This Lab Setup supports 110-220 VAC input power.

### Specifications

Dimensions 44" L X 13" W X 13" H  
(111 cm X 33 cm X 33 cm),  
Weight: 9 lbs. (4 kgs)



### LAB1250 COMPLETE HYSTERESIS LAB SETUP:

There's a difference as soils change from wet to dry and those changes are often difficult if not impossible to measure but with the 1250 Volumetric Extractor and our 1275 Hysteresis it's very do-able. The Hysteresis Attachments have been designed specifically to operate with the Volumetric Pressure Plate Extractor. The purpose of the Hysteresis Attachments is to accurately retain all of the moisture removed from a sample during the pressurizing cycle and to permit the back flow of captured pore waters from the storage area back into the sample as pressure is reduced in the extractor. This process

corresponds to the drying and wetting cycle that occurs naturally within soils. Constructed of specialized precision glass elements, comes complete with a burette, air filters, holder stand, clamps and hoses and all associated tubing. Requires model 1250B Volumetric Extractor and a recommended 1253 Heater Block.

## 2008F1 AUTOMATED ELECTRICAL PRESSURE/VACUUM PUMP, BATTERY

Electric Pressure Vacuum Pump is battery-operated combination pump, with 2 batteries for total power of 24 AmpHours. With both pressure (Pressure 0-100 psi; with max. pressure setting) and vacuum (0-100 cb) gauges. Electric Pressure/Vacuum Pump comes with 2 each 3-foot long hoses, inline filter, and 110V Battery Charger, encased in a portable Pelican case.

Weight: 15 lbs. Dimensions: 19X15X7 inches



### Product Features:

The 0725G2 Vacuum Control Manifold is designed for regulating and monitoring the vacuum supplied to pressure extractors for very low tension work. It is comprised of control valves, tubing and connectors, and a precision vacuum test gauge. Mounted by standoffs to a 19 mm thick baseboard suitable for mounting on a laboratory wall. Output vacuum can be regulated from 0 to minus 5 psi (0 to minus 34 centibars). Readout vacuum gauge is graduated from 0 to minus 5 psi (0 to minus 34 centibars) in 0.02 psi and 0.002 bar intervals



## APPLICATIONS

- Soil Water Retention
- Soil Physics
- Mining

## Contact info



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This Instrument is manufactured by our principle company

**SOILMOISTURE EQUIPMENT CORP - USA**