

**NEW!**

## Simpler Soil Water Sampler Series



### 1909L Simpler Slim Tube Sampler

### 1910LL Simpler Luer-Lock Micro Sampler

### 1910PL Simpler Panel Mount Micro Sampler

## Simple Soil Water Samplers

To make pore water sample collection easier and more efficient than ever, Soilmoisture Equipment Corp is proud to present the 1909 & 1910 Simpler Soil Water Samplers. Simpler Soil Water Samplers are zero dead volume samplers, and therefore allow pore water to collect directly into an extraction kit as a single step process. Combined with the 1930 Lock & Load Vacuum Syringe Extraction Kit, this becomes the most mobile, economical, and easy-to-use soil water sampling system available!

#### Features

- One Step Collection Process!
- Light Weight & Small Parts!
- Useful for Lab and Field Applications!
- Perfect for Applications with Limited Space!
- Perfect for Soil Column Sampling!
- Simple Installation!

#### Options:

Besides the Simpler Samplers and the Lock & Load Extraction Kit, we can provide the items necessary for all types of applications:

- Insertion tools for basic installation.
- Larger extraction kits for collecting larger volumes.
- Collection bottles for easy labeling and transportation of samples.
- Myriad of luer-lock connections and adapters.

#### EDUCATORS:

Mobility and affordability allow for easy demonstration of immediate pore water sampling in the field, lab, and classroom!

#### CONSULTANTS:

Collect soil water samples with minimal costs, and the ability to analyze both vertical and lateral trends without timely or invasive installation.

#### RESEARCHERS:

Take quick readings in the lab or from a permanently installed unit in the field to get fast samples from the full soil profile for the most thorough data!



# 1909 / 1910 Simpler Soil Water Sampler Series



Figure 1. 1910LL installed to assess pore water in a turf zone. By creating minimal disturbance to native soils, these samplers offer greater reliability along with their mobility!

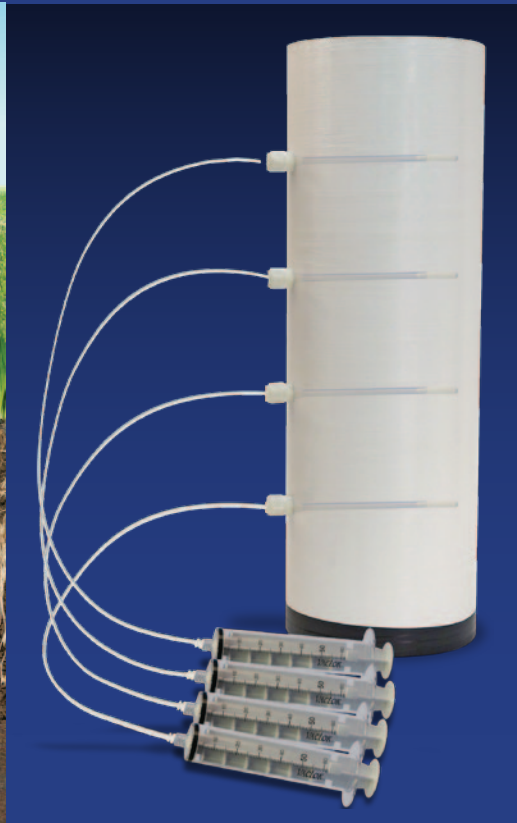


Figure 2. 1910PL is the ideal tool for collecting water samples from soil columns. Its small size and easy installation allows for diverse vertical and lateral profile analyses.



Figure 3. Using 1909L and 1930 to collect a pore water sample in a strawberry field. This sturdy sampler can be capped during the off-season, and then collected from quickly after watering events during the growing season!

## Soil water sampling is extremely important in determination of the nutrient levels, pesticide content, and mineral makeup that a plant's root will be withdrawing within a given soil profile.

Known simply as "pore water" samplers, these new small micro-cup sampling systems come with fast, reliable Luer-Lock quick connect-ability. In the past these devices were large and required significant commitment to a permanent installation. Today, with our small, mobile, Simpler Sampling Series of very small, discrete, specialty porous cups, one can start precision sampling in minutes. Installation is easy even within limited vertical or horizontal spaces, allowing for very fine resolution not previously available for pore water analysis. The Lock & Load Syringe Extraction Kit assures one of a clean and unbiased collection container and/or charging device that will get you results without any additional equipment. With the vast array of Luer-Lock adapters and connections, unique mobile sampling systems can be customized in all ways imaginable. Sequential sampling is as simple as Luer-Lock capping, returning later to twist connect on your sampling syringe. Your pore water sample always goes from sampling cup to sampling container with minimal in-tube retained volumes.

### Accessories

1. 1910K2L/0240L Insertion Tools
2. 1930 Lock & Load Extraction Kit Includes a locking syringe and protective cloth.
3. 1900K4 Solution Extraction Kit For larger volume samples
4. 1909 Luer Extension Kit Includes extra tubing and luer connections.

### Specifications

#### 1909LL

7/8" O.D. butyrate body with 1/8" O.D. polyethylene inside tubing. 1, 6, 12, 18, 24, 36, 48, and 60 in. lengths available. Ends in female luer connection. Length and ceramic type can be customized.

#### 1910L##

1/4" O.D. FDA-grade vinyl body with 0.094" O.D. hypodermic-quality stainless steel inside tubing. 1, 6, 12, 18, 24, 36, 48, and 60 in. lengths available. Ends in female luer connection. Length and ceramic type can be customized.

#### 1910CL##

1/4" O.D. FDA-grade vinyl body with 1/8" O.D. polyethylene inside tubing. 1, 6, 12, 18, 24, 36, 48, and 60 in. lengths available. Ends in female luer connection. Includes 1/8" NPT connection to mount. Length and ceramic type can be customized.

1930 60 CC locking syringe ends in male luer connection. 4x6" cloth bag.

