



WATER SAMPLING

1900L Soil Water Sampler:

For near-surface, environmental, ground water, crop health - pore water sampling
The Model 1900 Soil Water Sampler has been a standard for over 30 years in near surface environmental, ground water and plant rooting health where soil pore water is required. It's a large-volume sampler designed for near-surface installation at depths ranging from 6 inches (15 cm) to 6 feet (1.8 m). Most commonly used to collect pore water in near surface profiles, for the analysis of nutrients, pollutants, or other dissolved ions that have an effect on ground waters, environment and crop health. The unit consists of a 1.9" (4.8 cm) outside diameter PVC tube, with a 2 bar (200-kPa) porous cup, Santoprene stopper, and Neoprene access tube used for evacuation. Clamping rings slip over the folded Neoprene tubing to seal the sampler after evacuation. We recommend an extraction kit, model 1900K2 (50ml) or 1900K3 (1liter) required for sample retrieval and you'll need a vacuum pump required to evacuate the sampler

Sampler length: 12", outer diameter: 1.9" Weight: 0.59 lb. Dimensions: 12X5X5 inches



Applications

- Pore Water Sampling
- Environmental Monitoring
- Mining

SPECIFICATIONS:

1900L06-B02M2 soil water sampler, 6" Length (15.24cm), 0.45 lbs. (0.20 kgs) - 250 ml
1900L12-B02M2 soil water sampler, 12" Length (30.84cm), 0.59 lbs. (0.27 kgs) - 500 ml
1900L24-B02M2 soil water sampler, 24" Length (60.96cm), 0.85 lbs. (0.38 kgs) - 1000 ml
1900L36-B02M2 soil water sampler, 36" Length (91.44cm), 1.07 lbs. (0.48 kgs) - >1000 ml
1900L48-B02M2 soil water sampler, 48" Length (121.92cm), 1.33 lbs. (0.60 kgs) - >1000 ml
1900L60-B02M2 soil water sampler, 60" Length (152.4cm), 1.54 lbs. (0.70 kgs) - >1000 ml
1900L72-B02M2 soil water sampler, 72" Length (182.88cm), 2.02 lbs. (0.92 kgs) - >1000 ml

Contact info



Monitoring MENA

Insight into instrumentations

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WATER SAMPLING

1905L & 1911 (small) Soil Water Samplers:

The model 1905L "Slim Tube" soil water sampler is a small 7/8" (2.2cm) diameter sampler designed for taking discrete samples where installation space is limited. The slim tube sampler comes complete with a 1 bar (100 kPa) high-flow, screw in porous ceramic cup, screw on cap. The perfect sampler for container sampling. Extension tubes can be added to increase the depth of operation. If you need to sample in a cored soil sample or block, or deep in a pit sidewall you will want to consider the 1911 sampler as it can go almost anywhere and at any angle or position to get a pore water sample. The model 1911 Remote Sampler "Only" is configured more for remote sampling using a selection of top fittings for either 1/8" (.317 cm) or 1/4" (.635 cm) diameter. The 1911L10 (4 or 8) comes complete with 10 ft. (3m) of either 1/8" (.317 cm) or 1/4" (.635 cm) tubing making attachment a snap. The vacuum reservoir / collection vessel (purchased separately) is normally situated at a site adjacent to the sampling site. You'll want to consider our model 1900K2 (50ml) or 1900K3 (1liter) extraction kits to address this need



Applications

- Pore Water Sampling
- Environmental Monitoring
- Mining

SPECIFICATIONS:

1905L06 SLIM TUBE SOIL WATER SAMPLER, 6" LENGTH (15 cm) 0.30 lbs. (0.13 kgs)
1905L12 SLIM TUBE SOIL WATER SAMPLER, 12" LENGTH (30 cm) 0.44 lbs. (0.19 kgs)
1905L24 SLIM TUBE SOIL WATER SAMPLER, 24" LENGTH (60 cm) 0.70 lbs. (0.31 kgs)
1905L60 SLIM TUBE SOIL WATER SAMPLER, 60" LENGTH (150 cm) 1.50 lbs. (0.68 kgs)
1911 REMOTE SAMPLER, 3" (7.62 cm) SAMPLE HEAD, ONLY
1911L108 REMOTE SAMPLER, 3" (7.62 cm) SAMPLE HEAD, 10 ft. (3.04 m) -1/8 in (.317 cm) dia. Tubing
1911L104 REMOTE SAMPLER, 3" (7.62 cm) SAMPLE HEAD, 10 ft. (3.04 m) -1/4 in (.635 cm) dia. Tubing

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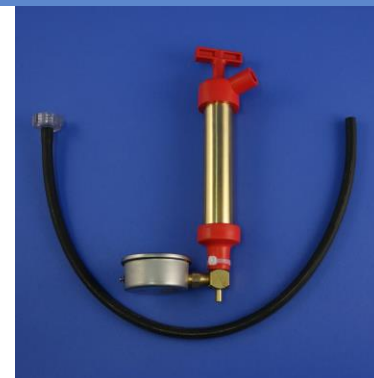
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SOILMOISTURE EQUIPMENT CORP - USA



WATER SAMPLING

1908DL Series Micro Samplers: Tiny "micro & macro" diameter sampling for columns, tight profiles, or limited space



A disposable miniature pore water sampler that is ideal for extraction work in column studies or other small containers, when space, congested point sampling may itself influence the study. Composed of porous hydro-phillic plastic, these samplers wet spontaneously making them ideal. The 0.1 micron pore size within the porous material (having a 217 psi bubbling pressure) comes with Luer Lock Connector and Terminal Cap 1 mm internal diameter 0.5 ml "dead volume". These samplers are normally inserted into a soil column through a the sidewall of a column. Can be used in near surface rooting environments. Uses continuous vacuum or use an evacuated vials to collect the pore liquids. 1908DL is characterized by:

- Micro Rhizon Sampler used for repeated and reliable sampling of all dissolved components in soil solution.
- The porous plastic (PES) wets spontaneously and has standard 0.15 micron pores.
- ASTM: D4696-92(2000).

Applications

- Pore Water Sampling
- Environmental Monitoring
- Mining

SPECIFICATIONS:

1908D2.5L10 Micro Sampler - Body 0.09" (2.5 mm) diameter x 3.54" (9 cm) Length.
1908D4.5L09 Macro Sampler -Body .177" (4.5 cm) diameter x 3.93" (10 cm) Length
1908D2.5L10Pkg05 Package of 5 ea. Micro Samplers
1908D2.5L10Pkg10 Package of 10 ea. Micro Samplers
1908D4.5L09Pkg05 Package of 5 ea. Macro Samplers
1908D4.5L09Pkg10 Package of 10 ea. Macro Samplers
1908D2.5L10K05 Complete Sampling Kit for 5 Micro Sample, includes vacuum vials, needles & samplers
1908D2.5L10K10 Complete Sampling Kit for 10 Micro Sample, includes vacuum vials, needles & samplers
1908D4.5L09K05 Complete Sampling Kit for 5 Macro Samples, includes syringe, collecting container & sampler
1908D4.5L09K10 Complete Sampling Kit for 10 Macro Samples, includes syringe, collecting container & sampler

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WATER SAMPLING

1910LL06 Simpler Micro Samplers, standard connector:

The sampler is characterized by:

- 1/4" (6.35mm) O.D. FDA-grade vinyl body with 0.094" O.D. stainless steel inside tubing.
- 6, 12, 18, 24, 36, 48, and 60 in. lengths available.
- Ends in female luer connection.
- Length and ceramic type can be customized.
- ASTM: D4696-92(2000).



Applications

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Replacement Parts and Accessories:

0240L30 7/8" Insertion Tool, 30" Length
0240L54 7/8" Insertion Tool, 54" Length
0240L78 7/8" Insertion Tool, 78" Length
1910K2L12 Insertion Tool for 1910LL Samplers, 12-inch length
1910K2L24 Insertion Tool for 1910LL Samplers, 24-inch length
1905-001 Sampler Skirt
1930 60 cc Locking Syringe
1900K3 Erlenmeyer Extraction Kit, 1 Liter
1900K3-2L Erlenmeyer Extraction Kit, 2 Liter
1900K3-4L Erlenmeyer Extraction Kit, 4 Liter
1900K4 Erlenmeyer Extraction Kit, 1 Liter, with Case & Vacuum Hand Pump
2005G2 Vacuum Hand Pump
1909K1 Extension/Luer/Tubing Kit
XCNLU1/8B-FLNW 1/8 Barbed to Female Luer Fitting
XPVCESL1/16-3/16 1/16 ID, High Flex Clear PVC Tubing
MZT032 1/8" Polyethylene Tubing
0922W050 Bentonite Clay Granules, 50 lb. bag
0930W050 200 Mesh Silica Flour, 50 lb. bag
2706L12 3/8" Insertion Tool for 1910PL, 12-inch size
2706L24 3/8" Insertion Tool for 1910PL, 24-inch size

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WATER SAMPLING

1940 HI/PRESSURE-VACUUM SOIL WATER SAMPLER:

The 1940 Soil Water Sampler is used for deep sampling down to 300 foot (100 m) depths, or where long lateral runs are required. The sampler consists of a 2 bar (200 kPa) ceramic cup, PVC body, and an end cap. High-pressure compression fittings allow connection of polyethylene vacuum and pressure tubing. The sampler is 1.9" (4.8 cm) in diameter and 27" (68.6 cm) long. Thick-wall PVC tubing and internal check valves allow for safe, high-pressure use, without risk of damage or sample loss.

1940 is an ASTM: D4696-92(2000).

Sampling depth: down to 300 ft (or for long lateral runs).

Sampler length: 27" (68.6 cm), Diameter: 1.9" (4.8 cm).

Weight: 4.00 lbs., Box dimensions: 32X5X5 inches.



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SPECIFICATIONS:

0922W050 Bentonite, 50 lb. bag

0930W050 Silica Flour 50 lb. bag

1902K3 Centralizer with Centralizer Adapter Kit

1902K4 1-1/2" Stainless Steel Coupling Assembly

1903L100 Black Polyethylene Tubing, 100 foot roll

1903L1000 Black Polyethylene Tubing, 1000 foot roll

1904L100 Green Polyethylene Tubing, 100 foot roll

1904L1000 Green Polyethylene Tubing, 1,000 foot roll

1920-005 Brass Union, Used for coupling Polyethylene tubing to increase length

1940-003 Tube Connector, Brass - used to connect Polyethylene to 1940 Sampler

2006G2 Pressure-Vacuum Hand Pump (with gauge)

2031G2 Clamping Rings (per doz.)

MRT003 Neoprene Tubing, 3/16-inch I.D. x 1/16-inch wall (purchased by the foot)

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