



IF IT'S WORTH BUILDING, IT'S WORTH TESTING

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Complete Soil Analysis Test Kit. Photometer Ph and Conductivity Meters and Reagents for 50 Tests

Code: [513-024](#)

Product Group: [Soil test kits](#)

A complete soils analysis kit:

- Soil pH Test
- Lime Requirement Test
- Conductivity Test
- Salinity Test
- Nitrate Nitrogen Test
- Phosphate Phosphorous Test
- Potassium Test
- Magnesium Test
- Calcium Test
- Aluminium Test
- Ammonia Test
- Copper Test
- Iron Test
- Manganese Test
- Sulphur Test



Dial-Type Gauge Tensiometer 450 mm

Code: [514-021](#)

Product Group: [Tensiometers](#)

Durable weather and soil resistant tensiometer.

Designed for permanent installation.

Rapid response.

Accurate yet inexpensive, this tensiometer is ideal for long term deployment in both field and greenhouse environments. The tensiometer is easy to install via the use of the custom insertion tool (514-030), and maintain, with a full range of spares available. Rapid response is ensured by the sensitive 0-100 centibar dial gauge, having a re-calibration facility. For convenience, a range of lengths are available for monitoring at variable depths.

Note: For operating these tensiometers, a service kit (514-034) is required.

The insertion tool (514-030) is used to provide a clearance hole and also to maintain existing hole diameter for the tensiometer.

Further Information

Requires Service Kit (514-034)

Accessories



Insertion Tool

Code: [514-030](#)



Service Kit

Code: [514-034](#)

Spares/Consumables



Screw-top porous ceramic cup

Code: [514-020/11](#)



Vacuum dial gauge

Code: [514-020/13](#)

Alternatives



Dial-Type Gauge Tensiometer 450 mm

Code: [514-021](#)



Dial-Type Gauge Tensiometer 600 mm

Code: [514-022](#)



Dial-Type Gauge Tensiometer 900 mm

Code: [514-024](#)



Dial-type soil moisture gauge tensiometer 300 mm

Code: [514-020](#)



Insertion Tool

Code: [514-030](#)

Product Group: [Tensiometers](#)

- To provide clearance hole and maintain hole diameter for tensiometers.

- For use with tensiometer series

Further Information

1370 mm long.



Service Kit

Code: [514-034](#)

Product Group: [Tensiometers](#)

This kit is designed to service and maintain soil moisture tensiometers. Kit includes a vacuum hand pump, 455 ml natural colour plastic bottle, rubber washer, 3 mm outside diameter nylon tubing, spout/cap assembly, herbicide/algaecide additive and 12 monthly chart forms.

Specification

Weight

0.77 kgs

Dimensions

330 x 330 x 170 mm



Jet Fill tensiometer 900 mm

Code: [514-040](#)

Product Group: [Tensiometers](#)

- Advanced, sensitive tensiometer.
- Patented Jet-fill system.
- High accuracy.
- Fast response.
- 6 length options available.

The most advanced and sensitive instrument available for the field measurement of soil moisture. The Jet-fill range includes patented features for superior accuracy and even faster response time whilst retaining the ease of use, maintenance and durability of its counterparts.

At the push of a button, the Jet-fill action releases water into the tensiometer body with no disturbance of the surrounding soil. The large volume, detachable water reservoir enables the unit to be left in place for several months. The recalibrator-style gauge permits zero-point adjustments for research applications.

Further Information

Requires Service Kit (514-034)

Accessories



Insertion Tool

Code: [514-030](#)



Service Kit

Code: [514-034](#)



Tensiometer Extension Tube

Code: [514-042](#)

Alternatives



Jet Fill tensiometer 150 mm

Code: [514-035](#)



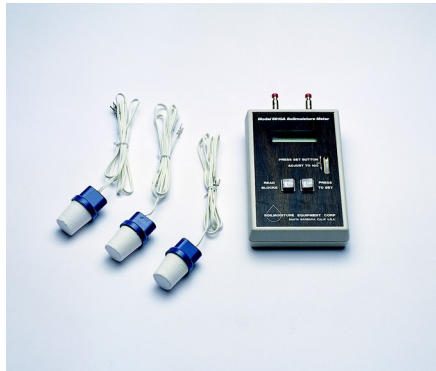
Jet Fill tensiometer 300 mm

Code: [514-036](#)



Jet Fill tensiometer 460 mm

Code: [514-037](#)



Soil moisture meter.

Code: [514-126](#)

Product Group: [Soil Moisture](#)

This instrument is rugged, hand-held for field derivation of soil moisture.

Buriable soil moisture blocks allow moisture levels to be measured throughout the soil profile.

It is easy to use and battery operated.

This instrument is the ideal companion for the new, slim design moisture blocks, which are placed in the soil and leads connected in turn, to the meter. The measured resistance of the block, in ohms, is converted to a corresponding reading between 0 and 100 on an empirical scale. In practical terms this empirical range covers the soil suction range 0.2 to 15 bar and using the calibration graphs of soil moisture content (dry weight percentage) against soil suction in bars, the soil moisture content may be determined.

In practical situations, resistance blocks are often placed at various depths in the soil to monitor soil moisture content profiles across the root zone. Experience will determine the optimum depth of placement depending on the particular soil type.

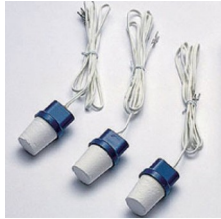
The soil moisture blocks are designed for use with this particular meter and give a uniform and quick response, made possible by their slim design (20mm diameter).

Further Information

Specification

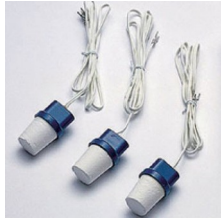
Measuring range	0-100 empirical range corresponds to 0.2-15 bar
Power requirements	1 x 9 V battery (supplied)
Weight	0.90

Accessories



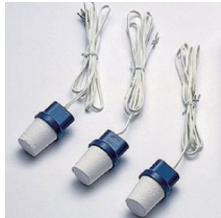
Soil Moisture Block 0.9 m Lead

Code: [514-128](#)



Soil Moisture Block 2.7 m Lead

Code: [514-130](#)



Soil Moisture Block 4.5 m Lead

Code: [514-132](#)



Double Ring Infiltrometer Kit.

Code: [514-440](#)

Product Group: [Permeability](#)

Used for the determination of infiltration capacity above the water table.

Allows synchronous determination of infiltration capacity in triplicate.

A comprehensive kit for the determination of soil infiltration capacity above the water table. The components are manufactured from high-quality materials for exhaustive field use.

514-440 kit comprises;

3 x double ring infiltrometers:

1x inner ring 280 mm, outer ring 530 mm diameter

1x inner ring 300 mm, outer ring 550 mm diameter

1x inner ring 320 mm, outer ring 570 mm diameter

Driving plate with handle for inner and outer rings

3 x adjustable measuring bridges

3 x floats with measuring rods

1 x nylon headed hammer

1 x stop watch, 0-30 sec x 0.1 sec accuracy

Specification

Maximum measuring depth	0 cm
Measured parameters	Infiltration ratio
Reading accuracy	1 mm
Registration type	Manual
Package size	65 x 65 x 50 cm
Weight	56 kg

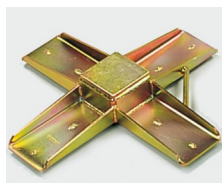
Accessories



Club hammer

Code: [29-5040](#)

Spares/Consumables



Driving Plate

Code: [514-446](#)



Soft Headed Mallet.

Code: [29-5020](#)



Stopwatch

Code: [81-0521](#)

Alternatives



Double Ring Infiltrometer

Code: [25-0660](#)