



AMI TENS LTD

Equipment For Water & fertilizer control



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Soil Water Samplers Models X1006/X1012

Dear farmer...
is there enough fertilizer in the soil?
Isn't there salt accumulation? and how about the pH?
To get the answer use Ami Tens Samplers

Soil Water Samplers

Models X1006 / X1012

What is a soil Water Sampler?

It is a simple device with which we can easily draw a sample of soil water from the plants' roots zone. As the soil water consists of dissolved nutrients and different salts, that may accumulate or be missing in the soil, we need to follow up the changes in the soil during the growth period. The information we gather can help us improve our performance and final results.

Operation Principles:

The sampler's tip is inserted into the soil in a location and depth where the plant roots are mostly active and where it represents most of the field.

Activation:

by pulling strongly the syringe lever to create an internal vacuum power that sucks soil water into the pipe. Switching the 3 way valve to a "Close" position will "trap" the vacuum inside the device.

Most effective activation is when the soil is in field capacity, which occurs shortly after the end of irrigation or rain (the time depends on the soil type).

The soil water is sucked into the Sampler within a period of minutes or hours.

Later we can draw out the fluid by the syringe, and from there to a cup or a bottle to analyze the water content.

Water Analyzation:

Ami Tens can offer a set of basic testing devices for a fast and simple evaluation of the soil water content. Most popular testers are for EC, pH, NO₃ or Cl.

For a more detailed analyzation we recommend to take the sample to a lab.



Standard sampler



Angular sampler

Technical data and options

The plastic pipe: PVC pipe, 20 mm diameter.
Pipe configuration: Strait (standard) or Angular (for using in shallow soil or growing beds)

Pipe Lengths: The standard selectable lengths, for different sampling depths are: 20/30/40/60/90 cm.

Ceramic tips: Each tip consists of a plastic thread for easy replacement in case of a damage. Length options: 6 cm. long-the standard tip.
12 cm long, used for easier water penetration, needed in sandy soil or artificial media.

Ami Tens Sampler consists of the following parts:

1. A porous ceramic tip screwed into the bottom of a PVC pipe.
2. A rubber stopper inserted on top.
3. A 4 mm plastic tube, inserted through the stopper down into the ceramic tip.
4. A small, 3 way plastic valve connected to the tube
5. A plastic syringe, connected to the valve to create vacuum and draw out the water.

Related Products:



EC Calibration solution



pH Litmus stripes



NO₂/NO₃ Test



CL Test



pH Tester



EC Tester



pH-7 Calibration solution



pH-4 Calibration solution

