

Document Title: Description, Manual Insertion Tool		Part # and Rev. 13369-01	
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-01	Change last bullet on back and address	Laura	3/27/07

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Dimensions: 17 inch wide, 11 inch tall

Color: Black text

Paper: Royal fiber gray, cover

Material: Laminated, cut to edge. Tri-fold and three-hole punch-left side

Adhesive: No

Notes: Manual scored twice, one at each column. Illustration for Reference Only

****Not To Scale****

Bore Pilot Hole

NOTE: Always check for pipes, wires and obstructions and then mark the underground before digging.

Step 1: Insert the slide hammer and the metal blade tool.

Step 2: Moving the tool up and down, bore a pilot hole for the probe.

Step 3: Form the blade into the ground until the top of the blade is level with the surface of the soil.

Step 4: After the hole is pre-drilled to the desired depth, pull the tool out of the soil.

Special Application
If you are inserting the probe into a trench, you can insert the probe horizontally into the soil profile.

1. Make the pilot hole on edge in the soil profile so the handle does not force on the measuring part of the probe.
2. Insert the probe into the pilot hole with your hand.

Load Insertion Tool

Step 1: Insert the ECH₂O probe into the blue insertion tool with the probe cable towards the top of the tool and running freely through the center slot.

Step 2: Remove the loaded insertion tool, the handle and the extension rod, if necessary. Place the pointed end of the insertion tool into the pilot hole.

Special Application
With the included extension rods, the probe can be inserted deep in the ground.

1. After the hole has been prepared, bore the pilot hole as shown in steps 1-4 using the extension rods.
2. Attach the extension rods to the blue insertion tool and insert the probe as shown in steps 1-2.

Insert the Probe

Step 1: Align the blue insertion tool so that the probe is able to slide directly into the pilot hole.

Step 2: Holding the tool steady, press the T handle down and insert the probe into the soil.

Note the location of the ECH₂O probe cable, coming in the front side of the insertion tool.

Step 3: Remove the insertion tool from the soil, being careful not to pull the ECH₂O probe cable out with the tool.

Installation Tool Parts

NOTE: If you need more extension rods or other parts, contact Decadoc Devices at 800-755-2731.

ECH₂O Probe Installation Tool Manual

The Installation Tool Manual was designed to give clarification to the use of the Installation Tool and help you get the most accurate reading from your ECH₂O Probes.

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Specifically for the ECH₂O EC-10 and EC-20 Probes.

Keys to Success With ECH₂O Probes

- Good soil contact with the ECH₂O Probe.
- Loose rocks have a lower moisture content and can cause the probe reading to be slightly lower. If the probe is located directly next to a large rock, it will include the water content of the rock in the reading.
- Avoid locating the probe in a position that would promote "water ponding" on the probe surface.
- Keep soil disturbance to a minimum by keeping the hole diameter as small as possible. This will help you to get the most accurate soil moisture readings (consider using the Decadoc Soil Auger).
- The insertion blade helps to reduce air gaps and soil compaction.
- If your sensor is not making contact with the soil or is close to normal state, please call Decadoc to rent or buy an installation kit.