

Manual for TDR measurement of soil humidity



How to use the device:

1. Push **ON**. The device shows the status of the batteries. Make sure that the batteries are not below 10%, otherwise come and see someone of the PERL lab for changing the batteries.
2. Push the **MODE** button until the device shows **Stndrd VWC%** (volumetric water content of a standard soil)
3. Put the needles of the sensor head fully in the soil. Push **READ** for taking measurements. The measurement will be shown on the first line **VWC% =**
4. You can take up to 10 measurements, and the device show the average of your measurements at the second line **A =** and the number of measurements with **N =**
5. Note the average value of each pot on your data sheet
6. If you want to take a new measurement, push **DELETE** and start again
7. For deactivating the device, push again **ON**

Take five measurements in five different parts of the soil (pseudoreplications) in order to have a good representation of the entire soil in your measurements. Make sure that you don't measure too close to the border of the pot.