

Document Title: Description, AN Using SCWin to read ECH2O Sensors R1_02		Part # and Rev. 13475-01	
		Release Date:	
Rev.	Description	Revision By	Date

Production Filename: 13475 (In Product Library)

Path to Working Files: DecaDoc\Application Notes\Master

Dimensions: 8.5 inch wide, 11 inch tall

Material: Paper, 92 Bright White or better, 75g/m² or heavier

Colors: Color Print on White

Printer: HP Color LaserJet 8550-PS

Finish: None

Adhesive: None

Special Notes: Illustrations are Ref Only ** Not to Scale **



Application Note

Using SCWin (Short Cut) to read EC-5, -10, and -20, MPS-1, and 10HS Sensors with Campbell Scientific Dataloggers

1. Download EchoCSI.zip from www.decagon.com/software/
2. Unzip the folder EchoCSI.zip
3. Locate the file containing SCWin.exe. It should be in C:\Program Files\Campbellsci\SCWin. Place the following files from the unzipped EchoCSI.zip folder into the folder with SCWin.exe.
 - 10HS.SCS
 - 10HS1632.SCS
 - 10HS416.SCS
 - AM1632Y.MUX
 - AM416Y.MUX
 - AM1632Z.MUX
 - AM416Z.MUX
 - EC10.SCS
 - EC101632.SCS
 - EC10416.SCS
 - EC20.SCS
 - EC201632.SCS
 - EC20416.SCS
 - ECS.SCS
 - ECS1632.SCS
 - ECS416.SCS
 - MPS1.SCS
 - MPS11632.SCS
 - MPS1416.SCS
 - SCWIN-DECAGON.CHM
4. Open up SCWin.exe (Short Cut). If you are using a V.3 copy of LoggerNet, there is a tab for SCWin (Short Cut) on the tool bar.
5. Select "New" to start a new program to read the ECH₂O sensors
 - a. Select the datalogger you will be using to read the probes
 - b. Select the measurement interval (a shorter measurement interval, i.e. 1 sec, is sometimes desirable when testing the probes, but may cause problems in multiplexing applications)
6. Click on Sensors (this should open a new page with a file tree on it)
7. Under the "Sensors" file tree, double-click on "Meteorological" and then select "Soil Moisture"
8. The EC-5, -10 and -20, MPS-1, and 10HS should appear on the tree along with other soil moisture probes.
 - a. If they don't appear, check to make sure you have pasted the files above into the correct location.
9. Follow the rest of the Short Cut screens to add in the right number of sensors, print out a wiring diagram (click on "Wiring Diagram" on the left of the screen), and set up data storage.

Note: If you are not able to find this directory path, search for the folder that contains SCWin.exe and place the files into that folder