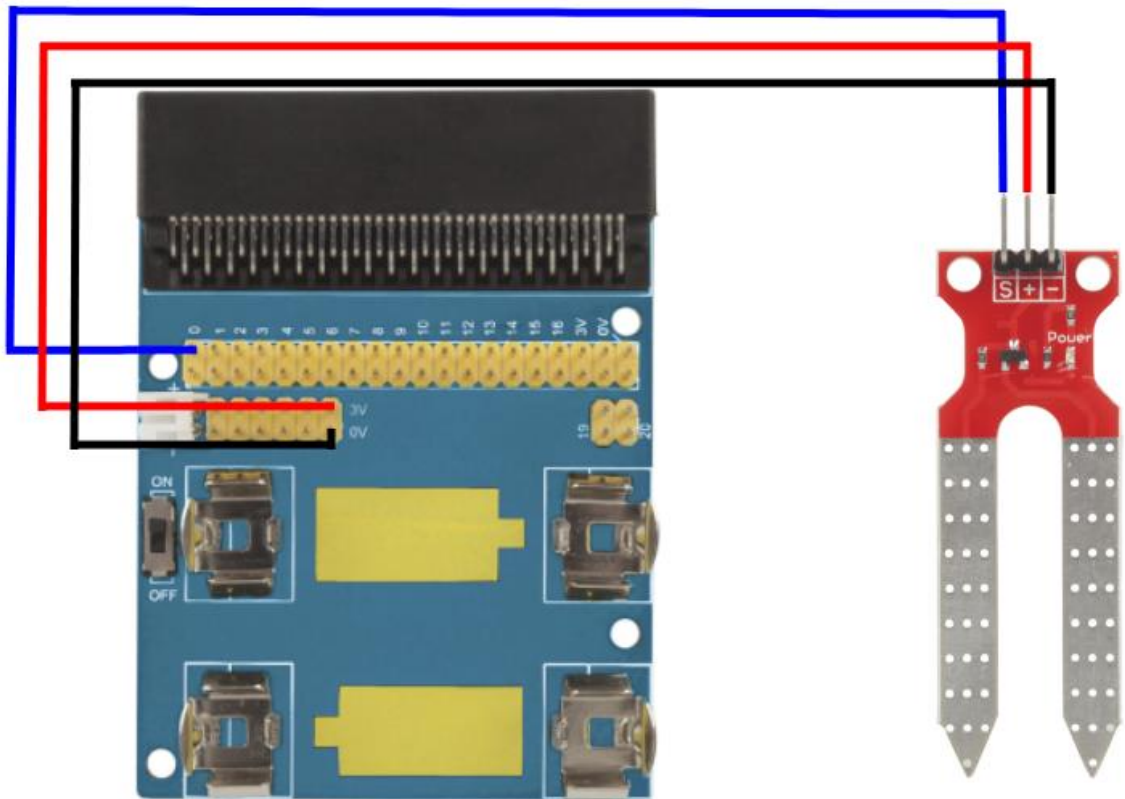


XC4330 Sample Project



The XC4330 module is perfect for creating portable projects. This example uses our soil moisture module to create a handy pocket soil moisture meter for checking plants in the garden.

Required Parts

Part	Description	Quantity
XC4320	Micro:bit Board	1
XC4330	Micro:bit Breakout Board	1
XC4604	Soil Moisture Meter	1
WC6026	Socket to Socket Jumper Wires	3
SB2424	Pk2 AA Batteries	1

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Code Block

Try coding it yourself from the image below, or download the completed project from the official Micro:bit website via https://makecode.microbit.org/_VV6gtr1Kk14a

Please note: You may need to adjust the values depending on the environment you are using the meter in. The best way to adjust it is to have two types of soil to test on – dry & wet.

```
forever
  set Meter to analog read pin P0
  plot bar graph of Meter
  up to 1023
  if Meter > 500 then
    show string "Wet"
  else if Meter > 100 and Meter < 500 then
    show string "Dry"
  else
    show string "No Reading"
```