

# Using a Wireless Temperature Sensor

## Equipment



Ipad/computer/  
phone/device

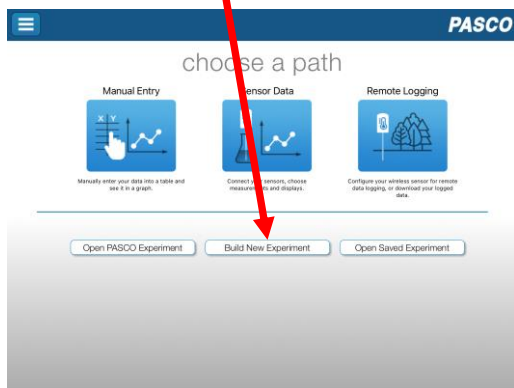
with



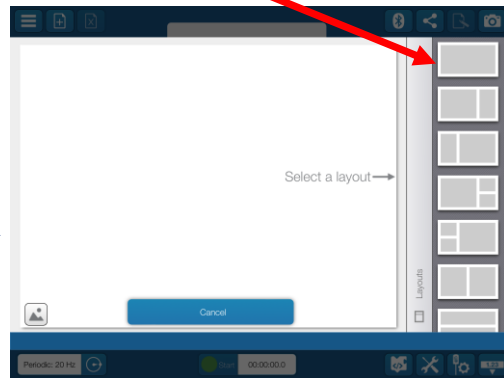
software

## Setting up sparkvue

1. Open up Sparkvue
2. Choose **Build New Experiment**



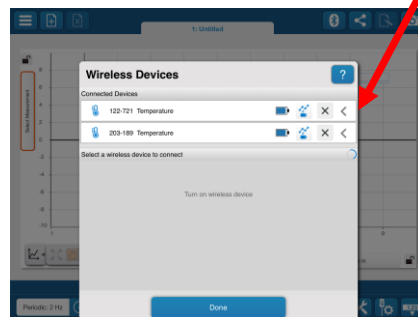
3. Choose layout – top right if you only want one display



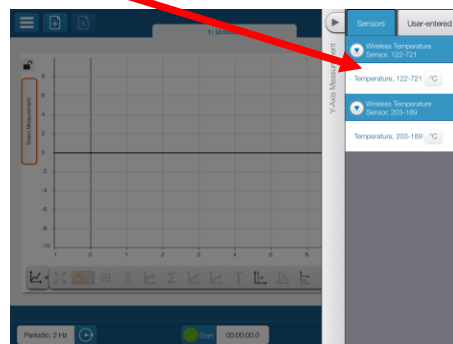
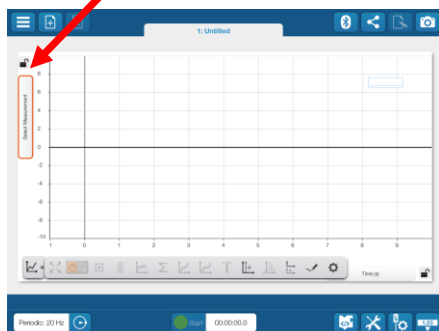
4. Select graph type- use line graph for continuous measurement



5. Turn on the temperature sensors you wish to use. *Note, their id numbers*
  6. Select the blue tooth symbol
  7. Click on the sensors you wish to connect, *check the id numbers match*
- When successful the screen is as shown below  
The example shows two sensors



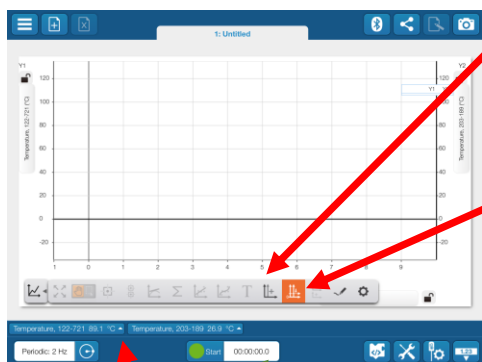
8. Select measurement for left hand axis and choose a temperature sensors, *note the number*



8. If you want to add a second axis for another sensor then add right axis, by selecting



9. Select measurement for right hand axis and choose the other temperature sensor



10. To keep both axes scales the same during measurements click on



The temperatures of the sensors you have selected can be read from the bottom left hand side of screen

Green start button

## Conducting the experiment

13. Place the sensor(s) in the liquid you are measuring. Wait for the temperature readings of the sensor(s) you have selected to stabilise



14. When stabilised press the green start button – bottom of screen – and perform your experiment

15. To measure the temperature at any point along the curve use the select button



16. If you have more than one curve to measure, click on the curve colour on the legend and the pointer tool will measure from that curve.



## Finishing up

Use **Save As** to save your Spark lab

Take Screen shots for reports etc

You can also save images using the camera icon –top right hand side of screen

**Disconnect the sensors from your device,** click on Bluetooth button again and press on the cross.

**Turn off the sensors**

Press and hold the power button for a few seconds.