

Collecting data using Vernier DataQuest® (Tutorial F1)

http://www.atomiclearning.com/k12/en/movie/85869/play_window?type=Tutorial&sid=2410

[00:00:00.00]

To collect data using the Vernier DataQuest application, we can start by pressing the Home key, and then selecting

[00:00:08.00]

the Vernier DataQuest icon at the bottom. This inserts the application into a new document. You can also start

[00:00:18.00]

by plugging a sensor into the handheld, and that automatically inserts the Vernier DataQuest application into a new page.

[00:00:26.00]

I'm using the Easy Temp Temperature sensor, so now I'll plug it into my handheld's mini USB port. At this point,

[00:00:36.00]

it's a good idea to reset the sensor defaults. This ensures the default data collection mode and settings are set for

[00:00:45.00]

the connected sensor, and it also removes any existing data. To do this, I'll press the Menu key, choose Experiment,

[00:00:56.00]

New Experiment. I'm currently in Meter View, the Meter tab is selected on the left side, and I see a read out

[00:01:06.00]

from my connected sensor over to the right. To begin data collection, I'll use the Touchpad to highlight the Start

[00:01:14.00]

Data Collection icon in the lower left corner. It looks like a little Play button. Now I'll press the Click key,

[00:01:23.00]

and this will begin taking measurements and adding data points. Once I'm done collecting data, I can just press

[00:01:33.00]

the Click key again, which will stop collecting the data.
Each supported sensor has its own data collection rate

[00:01:41.00]

and the standard number of data points collected. I can
see that the data was successfully captured. The Graph

[00:01:49.00]

View tab is now automatically selected toward the left
side, and there is a graph of my data over to the right.

[00:01:56.00]

I can also view my collected data in Table View, by moving
my pointer over the Table View tab on the left side, and

[00:02:06.00]

pressing the Click key to select it. It's possible to store
this data run so I can review this data at a later time,

[00:02:14.00]

or I could just start collecting data again by pressing
the Data Collection button, if I want to overwrite this

[00:02:22.00]

current data. To store this data run, I'll move my pointer
over the small file cabinet icon toward the lower left

[00:02:31.00]

corner, and press the Click key, to store the data set.
Now, I can start another data run.

[00:02:42.00]