

Collecting data using Vernier DataQuest® (Tutorial F1)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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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,

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

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

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

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