

Events with Entry in Vernier DataQuest® (Tutorial F3)

http://www.atomiclearning.com/k12/en/movie/86428/play_window?type=Tutorial&sid=2421

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You can take manual readings using compatible sensors with the Vernier Dataquest Application. I'll insert the application

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into a new page by clicking Insert, and then choosing Vernier DataQuest. In this case, I'm using the Vernier Gas Pressure

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Sensor via the Easy Link USB Device. Using a 20-milliliter syringe, I'll withdraw the plunger all the way back to

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20 milliliters, and then connect it to my sensor. Now I'll insert the USB cable into my computer. After a moment, appropriate

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units for the sensor appear on the right side. If I just click the Start Collection button, Data will be collected

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at regular intervals. In this case, however, I don't want to do that. I want to tell the DataQuest application when

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to take the reading. To do that, under Document Tools, I'll click Experiment, Collection Mode, and then choose

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Events with Entry. In the dialog box that appears, I can then type in a unique name, press the tab key and then

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enter my units, and click "ok." Next, I'll use the syringe connected to the Gas Pressure Sensor, and I'll push it

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down to 15 milliliters. Once I've got it set at 15, I'll move over to the Start Collection button, and click it.

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Notice that a new button appears right next to the Start Collection button. It has a camera icon. This button allows

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me to manually take a data reading. I can click the button, and TI-Nspire will prompt me for my first data point value.

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In this case, I'll use the milliliters reading on the syringe and type "15", and then click "ok" to record my data. Now

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I'll press the syringe in further to 10 milliliters, and when I've got that steady, I'll click the camera button.

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Again TI-Nspire will prompt me for my data point value. This time I'll enter "10", and then click "ok." Notice

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that I have two new data points. Finally, I'll do my best to press the syringe all the way down to five millimeters,

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and then click the camera button. I'll enter "5", and then click ok. I can continue using this method for any additional

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manual data points I would like to enter for this particular experiment. Next, I'll move the pointer to the lower left

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corner, and click the Stop Collection button to stop collecting data.

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