

## How to Use the LabQuest in Druck 16—Windows or Mac Log-in

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### Start-Up:

- Enter log-in information
- Connect the power supply to the LabQuest (LQ), if necessary
- Connect the USB cable from the back of the LQ to the PC—make sure the connections are tight
- Hold the power button for a couple of seconds to turn on the LQ
- Open the Logger Pro 3 software—allow a moment for the software to detect the “new hardware” You should see a double arrow on the screen of the LQ which means that it is being controlled by the PC. The LQ screen may also go black after sometime, but that is OK.
- Plug the sensors into the channel ports on the back of the LQ.
- Click on the “star”, under the menu bar, to see that your sensors are plugged into the channels.
- It is now ready to use.
- **To start collecting data**, click on the green arrow (collect). The program will automatically plot the data points and list the points in the left hand column.
- **To stop collecting data**, click on the red button (stop).
- **To save data**, click on File, Save, type in a file name, then click OK. Data will be stored in WindowsXP(C:)>Program Files>Vernier Software>Logger Pro 3>Experiments. Note—the file extension is .cmbl For the MAC log-in; you have to save your experiments in “Documents” in order for it to recognize the .cmbl extension.
- **To open a new experiment**, click on File, New.
- **To open a previously saved experiment**, click on File, Open and select the experiment.

## Experiment Options:

- If you have not saved the experiment yet, you can click on the red button (stop) to stop collecting data, then click green arrow (collect) to start collecting again, it will erase what was already collected and starts over again. When finished collecting data and want to save the experiment, go to Experiment>Store Latest Run, and then File, Save, and type in a file name.
- If you would like to take multiple collections of data in one experiment file, click on "start" collecting data, click on "stop" collecting data, then go to Experiment>Store Latest Run, and then "start" collecting data again. The first plot will remain on the screen, and then the second collection of data will plot. This can be repeated many times. The runs will show up as different colors. You could have multiple runs of data showing on the screen and then you can save the experiment. Best practice is to go to Experiment>Store Latest Run for every set of data points (run) you want to save, and when finished, save the entire experiment.
- If you open up a previously saved experiment, and click on the green arrow (collect), a window will pop up asking if you want to erase the saved data. You have the option to "store latest run" (which will keep a single run or multiple runs in the already saved experiment file), "erase and continue" (erases last run stored), "append to latest" (adds to last run stored in that experiment file), or "cancel".

## Shut Down:

- **To shut down**, close or "quit out" of the software program, remove the sensors, unplug the USB cable, hold the power button for a couple of seconds on the LQ until it shuts down, and unplug the LQ power cable.