

Optimizer Collect light Operation

1. Connect the supplied RS-232 cable between the RS-232 port on your DryCal and your PC. If your PC does not have a RS-232 port, you will need to obtain a USB to RS-232 adapter. These adapters are available from Radio Shack and other PC accessory suppliers.
2. Launch Collect light by clicking on the desktop shortcut or select it from your program list. The Collect light screen will appear.
3. On the Collect light screen are listed three predefined methods:
 - a. **Record_Flow** – This method will record the flow measurements from your DryCal, generate a graph of the flow, and calculate the average of the flow readings and the standard deviation
 - b. **Flow Source Calibration** – You enter the flow rate from a flow source and this method will record the flow measurements from your DryCal and calculate the deviation between the entered flow rate and the flow rate measured. A graph is generated showing the flow deviation.
 - c. **Flow Comparison** – Flow measurement values from another instrument are typed into a column in the spreadsheet, the readings from the DryCal are captured in an adjacent column and the deviation between readings is calculated.
4. Double click the method you wish to use.
5. Excel will open with the predefined method. If a warning message appears regarding Macros, follow the directions to allow Macros to execute within Excel.
6. On the Spreadsheet tab **Procedure**, you will find a written detailed description of the procedure for using this method. Click on the tab to review the written procedure.
7. Begin taking readings with your DryCal.
8. When you are ready to record readings from your DryCal to the spreadsheet – click the blue **BIOS DRYCAL** arrow on the Collect light toolbar and click on **RECORD**.
9. Your DryCal readings are entered into the spreadsheet. When you have completed taking readings click the blue **BIOS DRYCAL** arrow and click on **Stop RECORD**.
10. Save your recorded readings using **File > Save as** in the Excel® toolbar and enter the desired file name and location.