**Documentation should be completed whenever workshops are held, design changes are made, or progress/set-backs are encountered. List the members involved, note the date, and circle the team this documentation specifically involves. Save a copy in this same folder with the date in the title EX: “8/5/19 Documentation” so that team leads can review.**

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **Members:**   |  | | --- | | **Jordan Hybki** | |  | |  | |  | |  | | **Date:**  **09/23/19**   |  | | --- | |  | |

**Team (check circle):**

|  |  |  |
| --- | --- | --- |
| **Electrical:**   * **Hardware** * **Software** * **Actuation** | **Mechanical:** | **Biomedical:**   * **Ergonomics** * **Sensors** |

**Assignment/Task:**

Develop Arduino Script for the pressure sensor.

**Notes:**

Had to find the documentation that correlated to the actual pressure sensor. Uploaded the right datasheet pdf into main software datasheet folder (Honeywell Pressure Sensor ASDXAVX100PGAA5) (Legacy G2). There is a more modern pressure sensor datasheet version in the main sensor datasheet folder that didn’t correlate to the one we currently have. Program was able to read the analog data from the pressure sensor and print in the console the analog read value (increase when fanning air into sensor).

**Unresolved Issues:**

Don’t know for sure if the data being printed into the console is real. Would need a pump of some kind to check if data is scaling when pressure increases/decreases.

Need to convert the value into something more useful, like current psi, graph for pressure vs output (Voltage supply), calculate error band, ect.