

Assignment 3

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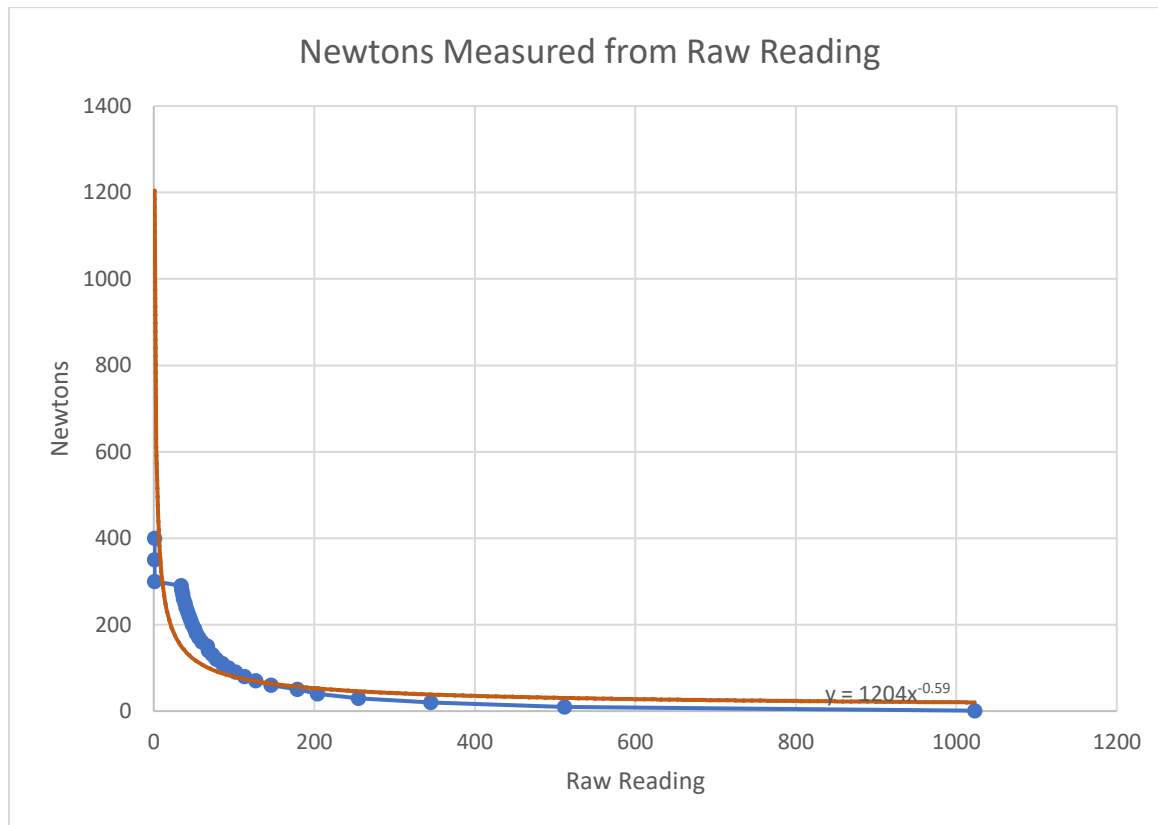
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Part 1

- Measuring air flow per unit of time through a tube, called an air flow meter.
- Measuring position, velocity, orientation of the sensor called a accelerometer

Sources: <https://www.elprocus.com/types-analog-digital-sensors/>

Part 2



- Most likely the maximum raw reading of the sensor has been reached
- $y = 1204x^{-0.59}$

Part 3

As a mercury tilt switch relies on the mercury moving over a certain point to determine the supposed temperature at that point if it is pre tilted by physical location then it will get to that point at a lower temperature instead of the actual temperature if the sensor is on a flat surface.