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**Information for the Davis 6410 Anemometer**

**Introduction**

* The Davis 6410 is a low-cost anemometer that measures wind speed and wind direction at a relatively low cost of $130 (as of 2021).
* The wind vane portion of the device uses a linear potentiometer to determine the direction of a wind source.
* Each rotation of the wind cups emits a pulse.
* Converting from the number of pulses to wind speed is performed with the following formula:

Where:

V = speed (meters per second)

P = number of pulses per sample period

T = sample period (seconds)

**Important Notes**

**Specifications**

|  |  |
| --- | --- |
| Model | 6410 |
| Brand | Davis |
| Range of Direction | 1 to 360 ° |
| Range of Speed | 0.5 to 89 m/s |
| Accuracy of Direction | ± 3° |
| Accuracy of Speed | ±1 m/s or ± 5% |

**Links**

* Product Link:

<https://www.davisinstruments.com/products/anemometer-for-vantage-pro2-vantage-pro>

* <http://cactus.io/sensors/weather/anemometer/davis-anemometer>
* <http://cactus.io/hookups/weather/anemometer/davis/hookup-arduino-to-davis-anemometer>
* Arduino Code

**Wiring**

**Contact**

For any questions or assistance, email Adriann Liceralde at adriann8399@gmail.com.