

## ANEMOMETER CONVERSION CHART

An anemometer rotates in the wind. To calculate the speed at which the anemometer spins, count the number of spins per 20 seconds. By calculating the circumference of the circle you will have an approximation of the speed the anemometer spins (in cm per seconds). Some forces such as friction on your anemometer are being ignored, so the [velocity](#) at which your anemometer spins is not the actual wind speed

### **Anemometer conversion chart:**

<b>number of turns per 20 seconds</b>	<b>wind speed (cm/s)</b>
1	3.5
2	6.9
3	10.4
4	13.8
5	17.3
6	20.7
7	24.2
8	27.6
9	31.1
10	34.6
11	38.0
12	41.5
13	44.9
14	48.4
15	51.8
16	55.3
17	58.7
18	62.2
19	65.7
20	69.1
21	72.5
22	76.0
23	79.5
24	82.9
25	86.4