

# **Davis Anemometer**

## **DIRECTIONS FOR DETERMINING CFM (CUBIC FEET PER MINUTE)**

1. Take a 60 second reading at the face of the opening. For larger areas, it is recommended to take several readings at various locations along the opening and average these readings.
2. Apply the correction factor to your reading from the supplied sticker.
3. Multiply your corrected FPM anemometer reading times the square footage of the opening to obtain your CFM reading.

For testing open air spaces, it is recommended to divide the cross section into square foot areas, taking a separate reading for each area. Average all these anemometer readings to obtain a single reading for the open space.

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## **DAVIS ANEMOMETER INSTRUCTIONS**

1. Move the disconnect lever on top of the anemometer to the left, which will disengage the movement.
2. Set all hands to zero by pulling down the zero set lever located on the top right side of the dial.
3. Hold the anemometer directly in the airstream allowing the vanes to turn with the movement off.
4. Move the disconnect lever fully to the right to engage the movement and time for 60 seconds.
5. After timing, move the disconnect lever back to the left and your FPM reading is retained on the dial.
6. Apply the correction factor as shown on supplied sticker.

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READING CORRECTION FPM		READING CORRECTION MPH	
* 30	+14	1800	-60
* 50	+15	2000	-65
* 70	+15	2200	-75
** 90	+15	2400	-90
** 100	+15	2600	-100
200	+15	2800	-110
300	+10	3000	-120
400	0	3200	-135
500	-5	3400	-150
600	-10	3600	-165
700	-15	3800	-175
800	-20	4000	-180
900	-25	4200	-190
1000	-30	4400	-195
1200	-35	4600	-200
1400	-45	4800	-225
1600	-55	5000	-250

\*\*\* Over 5000 FPM deduct  
7% from reading.  
Readings with asterisk  
apply only to model as  
indicated below.  
\*\* Standard Model  
\*\*\* High Speed Model