



SENSORS
MODEL 5050WD
Wind Direction Sensor

General Description

The 5050WD is the standard sensor used on the Model 5081 Packaged Weather Stations for measuring wind direction. The vane assembly, which responds to changes in wind direction, is attached to the shaft of a potentiometer. The potentiometer translates the wind direction into a 0-5 Vdc linear output when a 5 Vdc reference voltage is applied across the potentiometer.

Specifications

Accuracy	1%
Deadband	20 degrees
Range	0 to 360 degrees
Threshold	0.7 mph @ 10 degree deflections
Distance Constant	4.8 ft.
Damping Ratio	0.5
Mounting	1 in. diameter pipe
Weight	½ lb.



Ordering Information

5050WD	Wind Direction Sensor
5050C	Cable, per foot