

# Wind Speed and Direction Sensor



## Aethalometer<sup>®</sup> accessory

### KEY FEATURES

- Wind Speed and Direction sensor
- Automatic integration with Aethalometer

### APPLICATIONS

- Air Quality monitoring
- Real-time source apportionment
- Climate Change research
- Health Effects research



Manufactured in Europe by  
Aerosol d.o.o., Slovenia

# Product descriptions

## MEASURING PRINCIPLE

The Wind Speed and Direction Sensor is a combined mechanical 3-cup anemometer and direction sensor. Optoelectronics convert the signals to digital data for integration with the Aethalometer. The baseplate includes mounting points and a weatherproof connector. A 10-meter cable is supplied.

## PERFORMANCE

### Wind Speed

**Measurement range:** 0,1 m/s – 60 m/s

**Starting speed:** 0.1 m/s

**Accuracy:** +/- 0.5 m/s (from 0.1 to 12 m/s)  
+/- 0.2 m/s (> 12m/s)

**Resolution:** 0.1 m/s

### Wind Direction

**Measurement range:** 0°- 360°

**Starting speed:** 0.1 m/s

**Accuracy:** +/- 3°

**Resolution:** 5°

**DIMENSIONS:** Ø600mm by 300mm

**WEIGHT:** 700g

## DATA INTEGRATION

The Wind Speed and Direction Sensor connects to a COM port on the Aethalometer via a 10-meter cable (supplied). This cable feeds the wind data to the AE33, and also supplies DC power to the sensor from a USB port on the AE33. The wind data is integrated into the Aethalometer files, and is displayed on the AE33 screen.

## TO ORDER

**Wind Speed and Direction Sensor, with 10-m cable (PN M5520)**



Scan the code for more info

### GENERAL INQUIRIES:

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or the distributor responsible for your country.