



Sensor specifications

Airflow sensor

The ATMOS22 is an ultrasonic anemometer. Unlike cup anemometer, it can detect wind speed and wind direction. There aren't any moving parts that cause friction or fail: No calibration is required, no oil or replacing bearing are required, it is accurate at low speed, and it can register even the lowest threshold of wind speed.



Specifications

Operating conditions	Temperature	-50 to 60 °C
	Dimensions (d x H)	100 x 160 mm
	Weight	700g
Structural	Mounting options	Can be mounted to a pole of diameter from 31.8 to 50.8 mm (not included)

Measurement specifications

Wind speed	Range	0 to 30 m/s
	Accuracy	3%
	Resolution	0.01 m/s
Wind direction	Range	0° to 359°
	Accuracy	±5°
	Resolution	1°



30MHz Connect

Every 30MHz sensor is powered by the Connect. It acts like the middleman between the sensor and the platform. This casing protects the electronics from greenhouse environment like moisture, dirt, and changing climate conditions.

The connect comes with a universal mounting bracket.



Specifications

Operating conditions	-10 to 55 °C (10 to 45°C while charging)
Dimensions (L x W x H)	Case: 183 x 113 x 107 mm
	Mounting bracket: 165 x 210 x 205 mm
Range	Indoors from 200 to 400 m (depending on Greenhouse layout)
Power source	Rechargeable battery (duration dependent on the sensor connected)
Protection	Water and dust according to IP67

