Wind Speed/Wind Direction Sensor

The Wind Sensor includes both wind speed and wind direction sensors. The rugged components with sealed stainless –steel bearings for long life, can stand up to hurricane-forced winds, and yet are sensitive to a light breeze. The Wind Sensor used by a three cup anemometer is a low cost with high performance sensor which matches and exceeds expensive units. The wind speed output is a series of pulses proportional to wind speed, and the output of wind direction is a potentiometer of which the output value is proportional to angle in degrees.

Specifications:

Communication	RS 485
Wind Speed Sensor Type	Wind Cup and magnetic switch
Wind Direction Sensor Type	Wind Vane and potentiometer
Wind Speed Measuring Range	0－75 m/s
Gust Survival Measuring Range	> 80 m/s
Wind Direction Measuring Range	0－360º
Wind Speed Accuracy	± 1 m/s (0 – 20 m/s)， ±5% (＞ 20 m/s)
Wind Direction Accuracy	± 7°
Dimension	including arm 47 cm ＊ 19 cm，excluding arm 22 cm ＊ 19 cm
Operating Temperature Range	-30º C to +70º C
Wind Cups Material	Polycarbonate
Wind Vane	UV-resistant ABS
Anemometer Arm	Black-anodized aluminum