

EE-04 Wind Sensor



The EE-04 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 EE-04 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.

Technical Specifications :

Sensor Type

Wind Speed : Wind Cup and magnetic switch

Wind Direction : Wind Vane and potentiometer

Material

Wind Cups : Polycarbonate

Wind Vane : UV-resistant ABS

Anemometer Arm: Black-anodized aluminum

Measuring Ranges

Wind Speed : 0 - 75 m/s

Gust Survival : > 80 m/s

Wind Direction : 0 - 360°

Accuracy

Wind Speed : ± 1 m/s (0 - 20 m/s), $\pm 5\%$ (> 20 m/s)

Wind Direction : $\pm 7^\circ$

Dimension : including arm 47 cm * 19 cm, excluding arm 22 cm * 19 cm

Operating Temperature Range : - 30° C to + 70° C