



CE

FEATURES

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.

SPECIFICATION

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