



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 open collector A phase (N2R) |
| ◆ Gust Survival | > 80 m/s max |
| ◆ Wind Direction | 0 — 360° 500Ω~10KΩ |

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℃ to +70℃ |