

## 03301 Wind Sentry Vane

### Specifications

#### Wind Direction (Vane)

Range:	360° mechanical, 355° electrical (5° open)
Sensor:	Balanced vane, 16 cm turning radius
Accuracy:	±5°
Damping Ratio:	0.2
Delay Distance (50% recovery):	0.5 m (1.6 ft)
Threshold	0.8 m s <sup>-1</sup> (1.8 mph) at 10° displacement; 1.8 m s <sup>-1</sup> (4 mph) at 5° displacement
Transducer:	Precision conductive plastic potentiometer; 10 kohm resistance; 0.5% linearity; life expectancy 20 million revolutions. Rated 1 watt at 40°C, 0 watts at 125°C.
Transducer Output:	Analog dc voltage proportional to wind direction angle with regulated excitation voltage supplied by the datalogger
Vane Length:	22 cm (8.7 in)
Vane Weight:	170 g (6 oz)

