



NRG #200P Wind Direction Vane, 10K, With Boot

The industry standard wind direction vane used worldwide. Thermoplastic and stainless steel components resist corrosion and contribute to a high strength-to-weight ratio.

SPECIFICATIONS

Sensor type	Description continuous rotation potentiometric wind direction vane
Applications	<ul style="list-style-type: none"> • wind resource assessment • meteorological studies • environmental monitoring
Sensor range	360° mechanical, continuous rotation
Instrument compatibility	all NRG loggers
Signal type	Output signal Analog DC voltage from conductive plastic potentiometer, 10K ohms
Transfer function	Output signal is a ratiometric voltage
Accuracy	potentiometer linearity within 1%
Dead band	8° Maximum, 4° Typical
Output signal range	0 V to excitation voltage (excluding deadband)
Threshold	Response characteristics 1 m/s (2.2 miles per hour)
Supply voltage	Power requirements Regulated potentiometer excitation of 1 V to 15 V DC
Mounting	Installation onto a 13 mm (0.5 inch) diameter mast with cotter pin and set screw
Tools required	0.25 inch nut driver, petroleum jelly, electrical tape
Operating temperature range	Environmental -55 °C to 60 °C (-67 °F to 140 °F)
Operating humidity range	0 to 100% RH
Lifespan	50 million revolutions (2 to 6 years normal operation)
Connections	Physical 4-40 brass hex nut/post terminals
Weight	0.14 kg (0.3 pounds)
Dimensions	<ul style="list-style-type: none"> • 21 cm (8.3 inches) length x 12 cm (4.3 inches) height • 27 cm (10.5 inches) swept diameter
Wing	Materials black UV stabilized injection molded plastic
Body	black UV stabilized static-dissipating plastic
Shaft	stainless steel
Bearing	stainless steel
Boot	protective PVC sensor terminal boot included
Terminals	brass

Note: The NRG sensor is compatible with the DVE GFI Grid Feed Inverter series.

