EXTREME ENVIRONMENTS
EXTREMELY RELIABLE

WSD-QD DUAL ANALOG WIND SPEED /DIRECTION SENSOR

Reliable Wind Speed and Direction

The WSD-QD is a durable, wind speed and direction sensor made of aluminum and stainless steel.

- Wind speed and direction combined within a single sensor
- Durable aluminum and stainless steel construction
- Low starting threshold
- Stainless steel bearings
- Easy, quick installation
- Highly accurate
- Low power consumption

The WSD-QD is designed to operate in temperatures ranging from -30°C to +70°C and wind speeds of up to 155mph. Wind speed measurements are obtained through the use of a sealed reed switch, providing a series of pulses proportional to wind speed. The wind speed sensor is equipped with aluminum cups for durability. Wind direction is measured with an aluminum vane coupled to a precision potentiometer.

The sensor has dual cabling terminating in military style bayonet connectors for connecting to all Axiom dataloggers. Cable length can be arranged to suit the customer's specific requirements, and cable extension does not adversely affect the performance of the sensor. The WSD-QD has been field proven over many years and has demonstrated its reliability under remote, hostile conditions.

It is not recommended for heavy snow and ice conditions.

SPECIFICATIONS

OPERATING TEMPERATURE	-30°C to +70°C
WIND SPEED	Range: 0-69 m/s (155 mph) Accuracy (<22.7 mph): ±0.1 m/s (.25 mph) Accuracy (>22.7 mph): ±1.1% of true Threshold: 0.4 m/s (0.9 mph)
WIND DIRECTION	Range: 0-359 degrees Accuracy: ± 4 degrees Threshold: 0.4 m/s (0.9 mph) Resolution: < 0.5 degrees Damping Ratio: 0.25 standard
OUTPUT SIGNAL	Wind speed: Pulsed contact closure Wind direction: Potentiometer output (0 - 10 kohms)
CABLE LENGTH	3.05m (10 ft.)
WEIGHT	0.81 kg (1.79 lbs)

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