

Specification Sheet

McCrometer CONNECT 200-02 Wind Speed And Direction Sensor



200-02 Wind Speed And Direction Sensor

The McCrometer CONNECT 200-02 Wind Speed and Wind Direction Sensor are an economically priced, durable sensor set suitable for operating under harsh environmental conditions.

The wind speed sensor will measure speeds up to 99 mph, and offers an accuracy of better than 3%. The wind direction sensor will measure from 0 to 360 degrees, and offers an accuracy of better than 3%. The 200-02 Wind Speed and Direction Sensor combination set is for use with any McCrometer CONNECT field monitoring station.

Both sensors that make up the set require very little maintenance and will remain within their specifications for many years.

Wind Speed and Direction 200-02

	Wind Speed Sensor	Wind Direction Sensor
Type of Reading	Reed switch, 3x per revolution	20k Ohm potentiometer, single wiper
Measurement Ranges	0.8 to 99 mph (1.3 to 159 km/h)	0 to 360°, vane threshold 1.2 mph (1.9 km/h)
Output Signal	0 to 2.5V DC on Cabling 1	0 to 2.5V DC on Cabling 2
Power Supply		
Voltage	6 to 12V	2.5V regulated excitation (internal)
Current	100 to 800uA (sleep), 20mA approx. (wake-up)	125uA
Warm-up time	10 S	1 S
Operating Temp. Range	-40° to +140°F (-40° to +60°C) non-icing	-40° to +140°F (-40° to +60°C) non-icing
Accuracy	± 3% of full scale	± 3° azimuth
Dead Angle	n/a	5°
Switching Point	n/a	North
Connections		
Cable Length	89 inches (2.26 m)	
Jacket material	PUR	
Termination	7-pin M9 Binder male	
Case	Injection molded thermoplastic, anodized aluminum, and stainless steel	
Dimensions	W/S and W/D Sensor: 12.1 in. (307 mm) x 8.5 in. dia. (216 mm) x 15.1 in. (384 mm), Mounting Arm: 16 x 1 x 3 in. (406 x 25 x 76 mm)	
Mounting	1.57 to 2.36 in. dia. mast (40 to 60 mm)	
Weight	2.5 lbs. (1.13 kg)	

Ordering information:

250.733.001 Wind Speed and Direction 200.02 with mounting arm

Optional Accessories:

200.800.010 - Extension Cable, 6.5 feet (2 m), 7-pin to 7-pin

200.800.011 - Extension Cable, 13 feet (4 m), 7-pin to 7-pin

200.800.012 - Extension Cable, 26 feet (8 m), 7-pin to 7-pin