

Specification Sheet

McCrometer CONNECT Pro10 Wind Speed And Direction Sensor



Pro10 Wind Speed And Direction Sensor

The McCrometer CONNECT Pro10 Wind Speed and Direction Sensor is an economically priced, durable sensor set suitable for operating under harsh environmental conditions.

The wind speed sensor measures speeds up to 124 mph offers accuracy of better than 1% of full scale. The Pro10 Wind Speed and Direction Sensor combination set is for use with the A723s4, A752 and A753 field monitoring stations.

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

Both sensors are also available as individual units. If ordered separately they will be delivered with individual mounting arms and a 2M binding cable. Item #200.733.012 Pro10 Wind Speed Sensor and Item #200.733.013 Pro10 Wind Direction Sensor.

Specifications
Pro10 Wind Speed Sensor

Type of Reading	Magnetic Hall Effect sensor
Measurement Ranges	0.9 to 124 mph (1.44 to 200 km/h)
Output Signal	0 to 2.5V DC
Power Supply	
Voltage	DC 6 to 10V ± 0.5V
Current	2mA
Warm-up time	2 S
Operating Temp. Range	-40 to +158°F (-40 to +70°C) non-icing
Accuracy	± 1% of Full Scale
Electrical Protection	Optional lightning protection rod (attaches to mounting bracket)
Type approvals	VDI 3786, sheet 2 / WMO No.8
Connections	
Cable Length	6.6 feet (2 m) when sold separately
Jacket material	PUR
Termination	7-pin M9 Binder male
Case	Body: sea water resistant anodized aluminum, Cups: aluminum
Dimensions	Sensor: 5.13 in. (130 mm) x 8.25 in. dia. (210 mm), Mounting Arm: 19.75 x 2.38 x 4 in. (502 x 60 x 102 mm)
Mounting	Mounting arm with mast attachment for poles with Ø of 40mm; 2 W4-grade stainless steel pipe clamps included; alternatively in bores with Ø 30mm at max. 10mm wall strength
Weight	1.54 lb. (700 g)

Pro10 Wind Direction Sensor

Measuring Principle	Magnetic
Measuring Element	Wind vane, Aluminum
Measuring Range	0 to 360°
Accuracy	±2.5°
Starting Value	<0.4m/s (1.44 km/h)
Output Signal	DC 0 to 2.5V
Case	Sea water resistant anodized aluminum
Operating Temperature	-40°C to 70°C (non-icing); 0 to 100% rH
Dimensions	Sensor: 5.13 in. (130 mm) x 8.25 in. dia. (210 mm), Mounting Arm: 19.75 x 2.38 x 4 in. (502 x 60 x 102 mm)
Mounting	Mounting arm with mast attachment for poles with Ø of 40mm; 2 W4-grade stainless steel pipe clamps included; alternatively in bores with Ø 30mm at max. 10mm wall strength
Weight	1.54 lb. (700 g) approximately
Standards	VDI 3786, sheet 2 / WMO No.8

Ordering Information

200.733.006 - Pro10 Wind Speed and Direction Sensor set, includes "Y" cable and dual sensor mounting arm

Optional Accessories

800.000.357 - Lightning protection rod (attaches to mounting bracket)

