Lufft WS200-UMB Ultrasonic Wind Sensor

Product #:	**8371.1**
USD Price:	Contact Hach

Compact all-in-one weather sensor for measurement of wind direction and speed. From the WS product family of professional intelligent measurement transducers with digital interface for environmental applications for measuring wind direction and speed. One external temperature or rain sensor is connectable.

Built-in components
Built-in data pre-processing, universal interfaces and selectable output protocols.

Versatile
Compatible with many commercially available Met/HydroMet dataloggers and PLS systems thanks to an open communication protocol.

Maintenance-free
Maintenance-free operation – no moving parts that can wear out.

Specifications

*Parameters Measured:	Wind Speed
	Wind Direction
Accuracy:	Wind Direction: < 3° RMSE > 1.0 m/s
	Wind Speed: ±0.3 m/s or ±3% (0 - 35 m/s) ± 5% (>35 m/s) RMS
Ambient Temperature:	-40 - +140° F (-40 - +60 °C)
Analog Output:	No
Diameter:	mast diameter 2.4 - 3.0 in (60 - 76mm)
Dimensions:	Ø approx. 5.9 in (150 mm), H approx. 7.6 in (194 mm)
Interface:	RS485 with supported protocols UMB-Binary, UMB-ASCII, Modbus-RTU, Modbus-ASCII, XDR and SDI-12
IP Rating:	IP66
Measurement technology:	Ultrasonic
Measuring Range:	Wind Direction: 0 - 359.9 °
	Wind Speed: 0 - 246.06 ft/s (0 - 75 m/s)
Operating voltage:	Heating: 20VA at 24VDC
	4-32 VDC (with heating)
Product highlights:	Compact all-in-one weather sensor

Low power

Heater

Maintenance-free operation

Open communication protocol

Resolution:	Wind Speed: 0.2 mph (0.1 m/s)
Transducer Heater:	No
Weight:	Approx. 1.8 lbs (0.8 kg)
Wind Speed:	0 - 246 ft/s (0 - 75 m/s)

Low power

Heater

Maintenance-free operation

Open communication protocol