



## Compact all-in-one weather sensor for measurement of wind direction and speed.

- **Parameters measured**  
Wind direction and speed
- **Measurement technology**  
Ultrasonic/Wind
- **Product highlights**  
Compact all-in-one weather sensor, low power, heater, maintenance-free operation, open communication protocol
- **Interfaces**  
RS485, 2-wire, half-duplex
- **Article number**  
8371.U01

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.

General	
Dimensions	Ø approx. 150 mm, height approx. 194 mm
Weight	Approx. 0.8 kg
Interface	RS485, 2 - wire, half - duplex
Power supply	4...32 VDC

# Technical Data

WS200-UMB Smart Weather Sensor



Operating temperature	-50...60 °C
Operating rel. humidity	0...100 % RH
Heating	20 VA at 24 VDC
Cable length	10 m
Protection level housing	IP66
Mast mounting suitable for	Mast diameter 60 - 76 mm

Wind direction	
Principle	Ultrasonic
Measuring range	0 ... 359.9 °
Unit	°
Accuracy	< 3 ° RMSE > 1.0 m/s

Wind speed	
Principle	Ultrasonic
Measuring range	0 ... 75 m/s
Unit	m/s
Accuracy	±0.3 m/s or ±3 % (0...35 m/s) ±5 % (>35 m/s) RMS
Resolution	0.1 m/s