WS200-UMB Smart Weather Sensor





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 with supported protocols UMB-Binary, UMB-ASCII, Modbus-RTU, Modbus-ASCII, XDR and SDI-12

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

Technical data	
Dimensions	Ø approx. 150mm, height approx. 194mm









Technical Data

WS200-UMB Smart Weather Sensor



Weight	Approx. 0.8kg
Interface	RS485, 2-wire, half-duplex
Power supply	432 VDC
Operating temperature	-5060°C
Operating rel. humidity	0100% RH
Heating	20VA at 24VDC
Cable length	10m
Protection level housing	IP66
Mast mounting suitable for	mast diameter 60 - 76mm

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

Wind speed	
Principle	Ultrasonic
Measuring range	0 75 m/s
Unit	m/s
Accuracy	±0.3m/s or ±3% (035m/s) ±5% (>35m/s) RMS
Resolution	0.1 m/s



