



## 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**  
Wind detection with birdproof construction. Compact all-in-one weather sensor, low power, heater, maintenance-free operation, open communication protocol.
- **Interfaces**  
RS485, 2-wire, half-duplex, 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
Weight	Approx. 0.8kg

Interface	RS485, 2-wire, half-duplex
Power supply	4...32 VDC
Operating temperature	-50...60°C
Operating rel. humidity	0...100% RH
Heating	20VA at 24VDC
Cable length	10m
Protection level housing	IP66
Standards/Regulations	Compliant to IEC 61724-1:2017
Mast mounting suitable for	mast diameter 60 - 76mm

## Wind direction

Principle	Ultrasonic
Measuring range	0 ... 359.9 °
Unit	°
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% (0...35m/s) ±5% (>35m/s) RMS
Resolution	0.1 m/s