

# ORA WIND SPEED SENSOR



Ideally suited for solar-powered applications

The ORA wind speed sensors are characterized by their precision, robustness, and professionalism. With a low power consumption of less than 2 mA, they are ideally suited for solar-powered applications. The sensors are made entirely of seawater-resistant aluminum and offer an IP 65 protection rating in vertical operating position. The cup rotor can be easily replaced on-site if needed.

- Low power consumption
- All-metal housing made of seawater resistant aluminium
- On site changeable cup rotor made of seawater resistant aluminium
- Protection class IP 65 in upright position

## APPLICATIONS

- Wind turbines
- Professional weather stations
- Agriculture
- Solar powered applications

Professional Line	ORA
Id-No.	00.14594.220100
Measuring range	0.4...75 m/s; $\pm 0.3 \text{ m/s} \leq 10 \text{ m/s}$ ; $\pm 1 \% \text{ FS} \dots 50 \text{ m/s}$
Accuracy	$< \pm 0,5 \text{ m/s}$
Resolution	$< \pm 0,1 \text{ m/s}$
Starting value	0.4 m/s
Output	0...2.5 V = 0...75 m/s
Strongest wind impact velocity	80 m/s
Supply voltage	4...15 VDC
Current consumption	$< 2 \text{ mA}$ (low power)
Measuring principle	Magnetical positioning encoder system (MPES)
Dimensions	Cup rotor $\varnothing 108 \text{ mm}$ ; H 192 mm
Housing	Seawater resistant aluminium; IP 65; for bores with $\varnothing 30 \text{ mm}$ at max. 10 mm material thickness; incl. plug connector
Weight	Approx. 0.9 kg
Standards	VDI 3786, sheet 2; WMO No. 8
Accessories (order separately)	ID 32.14627.010000 Traverse; sensor distance: 75 cm ID 32.14567.006000 Mast adapter; diameter: 50 mm ID 32.14567.060000 Sensor cable with plug connection, length: 12 m

As of: 04.03.2025