

# ORA WIND SPEED SENSOR

**IP 65**  
PROTECTION RATING

**AI**  
METAL MATERIAL

**0-2.5 V**  
ANALOG OUTPUT

**LP**  
LOW POWER



Highly precise, robust

and professional are these new wind sensors of the ORA-family. The low power consumption of < 2 mA makes this sensor ideally suitable for solar powered applications. The sensor is completely made of metal and if necessary the cup rotor is easy to change in the field.

- Low power consumption < 2 mA
- 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 mA (low power)
Measuring principle	Magnetical positioning encoder system (MPES)
Dimensions	cup rotor $\varnothing$ 108 mm - H 192 mm
Housing	seawater resistant aluminium; IP 65; for bores with $\varnothing$ 30 mm at max. 10 mm material thickness; incl. plug connector
Weight	approx. 0.90 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