



# WIND SENSORS "ORA"

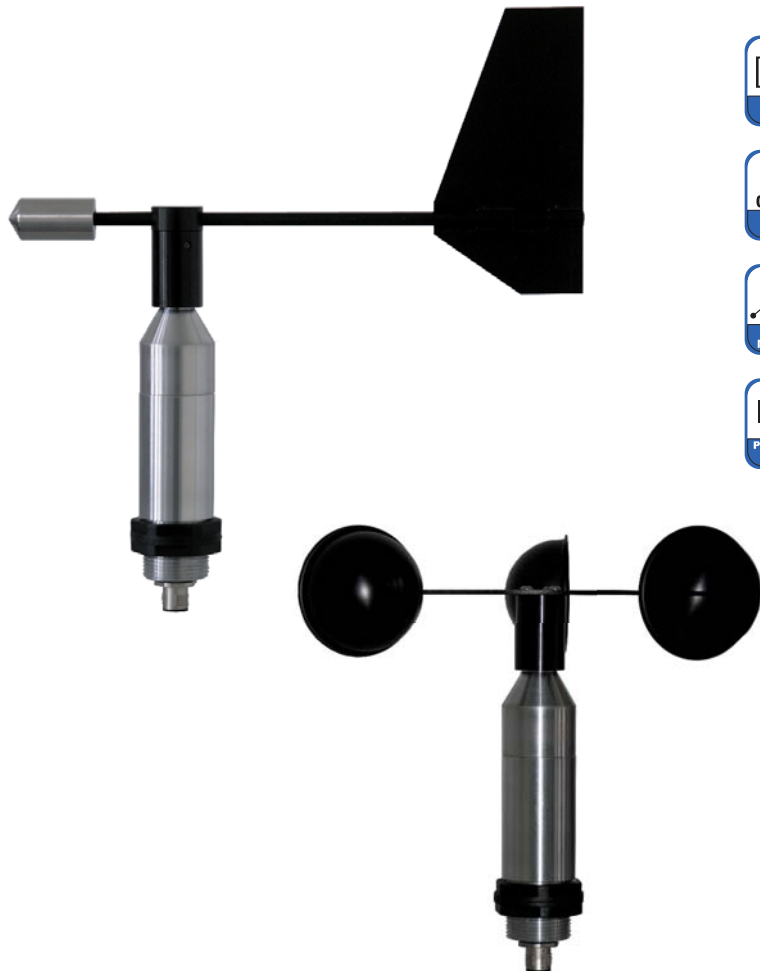
Wind direction and wind speed

Highly precise, robust...

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

- ▶ 4...15 VDC  
low power consumption  $< 2$  mA
- ▶ all-metal housing made of sea-water-resistant aluminium
- ▶ on site changeable cup rotor made of seawater-resistant aluminium
- ▶ protection class IP 65 in upright position

small wind power plants • professional weather stations • agriculture • solar powered applications



## Standard Line

## Wind Sensors ORA

Id-No.	(14594) Wind direction 00.14594.110 000	(14594) Wind speed 00.14594.210 000
Measuring elements:	wind vane · aluminium	3-armed cup rotor · aluminium
Measuring principle:	magnetic	magnetic
Measuring range/ Accuracy:	0...360° • $< \pm 2^\circ$	0.4...55 m/s • $< \pm 0.5$ m/s
Resolution/ Starting value:	1° • 0.4 m/s	$< \pm 0.1$ m/s • 0.4 m/s
Outputs:	0...2.5 V = 0...360°	0...2.5 V = 0...55.55 m/s
Supply voltage:	4...15 VDC	4...15 VDC
Current consumption:	$< 2$ mA (low power)	$< 2$ mA (low power)
Strongest wind impact velocity:	80 m/s	80 m/s
Dimensions:	wind vane L 230 mm · H 256 mm	cup rotor $\varnothing$ 108 mm · H 192 mm
Weight:	approx. 0.95 kg	approx. 0.90 kg
Temperature meas. range:	-40...+70 °C • under non-icing environmental conditions	
Housing:	sea water resistant aluminium • IP 65 • for bores with $\varnothing$ 30 mm at max. 10 mm material thickness • incl. plug connector	
Included in delivery:	1 sensor • 12 m cable · with 4 pin M12 plug connector	
Accessories:	(14567 U6) Mast adapter · $\varnothing$ 50 mm Wind traverse	
32.14567.006 000		
32.14627.010 000		