



WIND SENSORS "ORA"

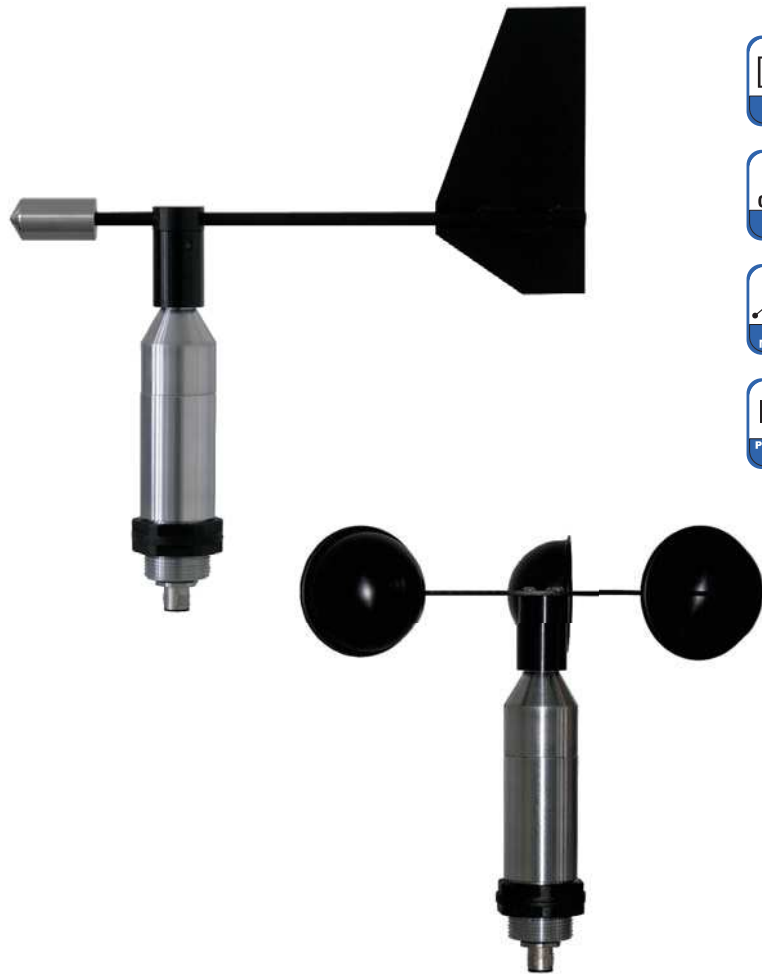
Wind direction and wind speed

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: | | |
| 32.14567.006 000 | (14567 U6) Mast adapter · \varnothing 50 mm | |
| 32.14627.010 000 | Wind traverse | |