

# ORA WIND DIRECTION 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.

- 4...15 VDC
- 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

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

| Professional Line              | ORA                                                                                                                                                                           |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Id-No.                         | 00.14594.120000                                                                                                                                                               |
| Measuring range                | 0...360°                                                                                                                                                                      |
| Accuracy                       | ± 2°                                                                                                                                                                          |
| Resolution                     | 1°                                                                                                                                                                            |
| Starting value                 | 0.4 m/s                                                                                                                                                                       |
| Output                         | 0...2.5 V = 0...360°                                                                                                                                                          |
| 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                     | wind vane L 230 mm - H 256mm                                                                                                                                                  |
| Housing                        | seawater resistant aluminium; IP 65; for bores with Ø 30 mm at max. 10 mm material thickness; incl. plug connector                                                            |
| Weight                         | approx. 0.95 kg                                                                                                                                                               |
| Standards                      | VDI 3786, sheet 2; WMO No. 8                                                                                                                                                  |
| Accessories (order separately) | ID 32.14627.010000 Traverse; sensor distance: 75 cm<br>ID 32.14567.006000 Mast adapter; diameter: 50 mm<br>ID 32.14567.060000 Sensor cable with plug connection, length: 12 m |