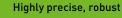
IP 65

LP



AN **aem** BRAND

ORA WIND SPEED SENSOR



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
- \cdot Protection class IP 65 in upright position

APPLICATIONS

- $\cdot\,$ Wind turbines
- · Professional weather stations
- \cdot Agriculture
- Solar powered applications

| Professional Line | ORA |
|--------------------------------|---|
| ld-No. | 00.14594.220100 |
| Measuring range | 0.475 m/s; ± 0.3 m/s ≤ 10 m/s; ± 1 % FS50 m/s |
| Accuracy | ± 0,5 m/s |
| Resolution | ± 0,1 m/s |
| Starting value | 0.4 m/s |
| Output | 02.5 V = 075 m/s |
| Strongest wind impact velocity | 80 m/s |
| Supply voltage | 415 VDC |
| Current consumption | 2 mA (low power) |
| Measuring principle | Magnetical positioning encoder system (MPES) |
| Dimensions | cup rotor Ø 108 mm - H 192 mm |
| Housing | seawater resistant aluminium; IP 65; for bores with Ø 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 |