

## PRO-WEA WIND DIRECTION SENSOR



### Protection against electrostatic discharge

The wind sensor with improved protection against electrostatic discharge! Thus these high-tech sensors are predestined for operation in lightning-prone regions. The design is aerodynamically optimised and both the housing and the measuring elements are made of seawater resistant aluminium. Further advantages include the integrated, controlled heating and the optionally available cable with high UV-resistance. PRO-WEA wind sensors are robust and best suited for year-round applications in most climatic zones.

- Improved protection against electrostatic discharge
- Especially robust due to reinforced axis
- Possible application with max. gusts of 100 m/s

### APPLICATIONS

- Wind power plants
- Crane systems
- Open-pit mining

| Professional Line              | PRO-WEA  |
|--------------------------------|--|
| Id-No.                         | 00.14523.131040  |
| Measuring range                | 0...360°   |
| Accuracy                       | ± 2°   |
| Resolution                     | <1°  |
| Starting value                 | < 0.5 m/s  |
| Output                         | 4...20 mA = 0...360°   |
| Update rate                    | 4 Hz (For the 4...20 mA output, the maximum load of 600 Ohm must not be exceeded.)   |
| Range of application           | Temperatures -40...+70 °C heated; wind speed max. gusts 100 m/s; humidity 0...100 % r.h.   |
| Supply voltage                 | 24 VDC (20...28 VDC); 18 W heating; max. 800 mA. The heating within the sensor head prevents blocking of the moving parts under most climatological conditions   |
| Measuring elements             | Aluminium; special surface; wind vane  |
| Measuring principle            | Hall Sensor Array, non-contact   |
| Housing                        | Seawater resistant aluminium; IP 65 in upright position; M12 cable-plug connection; stainless steel nut and lock washer  |
| Weight                         | 0.4 kg   |
| Accessories (order separately) | ID 32.14567.060000 Sensor cable with plug connection; length: 12 m<br>ID 32.14627.010000 Sensor cable with plug connection; length: 12 m<br>ID 32.14567.008000 Mast adapter; diameter: 50 mm<br>ID 32.14565.019000 Lightning rod |

As of: 14.01.2025