

## PRO-WEA WIND SPEED SENSOR



### The universal genius

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
- High measuring range of 60 m/s

### APPLICATIONS

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

Professional Line	PRO-WEA
Id-No.	00.14524.101040
Measuring range	0.5...60 m/s
Accuracy	$\pm 0.3 \text{ m/s} \leq 10 \text{ m/s} \bullet \pm 0.5 \text{ m/s} \dots 60 \text{ m/s}$
Resolution	< 0.1 m/s
Starting value	< 0.5 m/s
Output	4...20 mA = 0...60 m/s
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; 3-armed cup rotor
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	0.35 kg
Accessories (order separately)	ID 32.14567.060000 Sensor cable with plug connection; length: 12 m ID 32.14627.010000 Traverse; sensor distance: 75 cm ID 32.14567.008000 Mast adapter; diameter: 50 mm ID 32.14565.019000 Lightning rod

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