PRODUCT OVERVIEW

PRO-WEA Wind speed sensor

POSSIBLE APPLICATIONS

· Wind turbines
· Crane systems
· Open-pit mining

Particularly robust due to reinforced axle

The wind sensor with improved protection against electrostatic discharge! This makes these high-tech sensors ideal for use in areas prone to lightning strikes. The design is aerodynamically optimized, and the housing and measuring elements are made of seawater-resistant aluminum. The integrated, regulated heating and the optionally available special cable with particularly high UV resistance are further advantages. PRO-WEA sensors are robust and ideally suited for tireless year-round use in most climate zones.

· Improved protection against electrostatic discharge
· Particularly robust due to reinforced axle
· Large measuring range up to 60 m/s

PRODUCT OVERVIEW

PRO-WEA Wind speed sensor

Professional Line	PRO-WEA
Ident-No.	00.14524.101040
Measuring ranges	0.5...60 m/s
Accuracy	± 0.3 m/s ≤ 10 m/s; ± 0.5 m/s...60 m/s
Resolution	< 0.1 m/s
Start-up value	< 0.5 m/s
Output	4...20 mA = 0...60 m/s
Refresh rate	4 Hz (For the 4...20 mA output, the maximum load of 600 ohms must not be exceeded.)
Areas of application	Temperatures -40...+70 °C heated; wind speed max. gusts 100 m/s; relative humidity 0...100 % RH
Supply voltage	24 VDC (20...28 VDC); 18 W heating; max. 800 mA. The heating in the sensor head prevents the moving parts from blocking under most climatic conditions.
Measuring elements	Aluminum; specially coated; 3-arm cup rotor
Measuring principle	Hall sensor array, contactless
Housing	Seawater-resistant aluminum; IP65 rating when installed vertically; M12 cable connector; stainless steel nut and lock washer
Weight	0.35 kg
Accessories (order separately)	32.14567.060000 Sensor cable with plug connection; Length: 12 m 32.14627.010000 Crossbar; Sensor spacing: 75 cm 32.14567.008000 Mast adapter; Diameter: 50 mm 32.14565.019000 Lightning protection rod

As of November 15, 2026