

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 rein-forced axis
- High measuring range of 60 m/s
- Low starting values of < 0.5 m/s
- Very high resolution of measur-ing values

APPLICATIONS

- Wind power plants
- Lightningprone regions
- All kinds of industrial applications
- Crane systems
- Open-pit mining

Professional Line	PRO-WEA
Id-No.	00.14524.100040
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 Hz update rate • 4...20 mA = 0...60 m/s • at the current output (4...20 mA) a load of max. 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
Included in delivery	1 sensor • 15 m cable • with 4 pin M12 plug connector

As of: 24.07.2022