



WIND SENSORS "PRO-WEA/RF"

Wind direction and wind speed

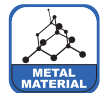
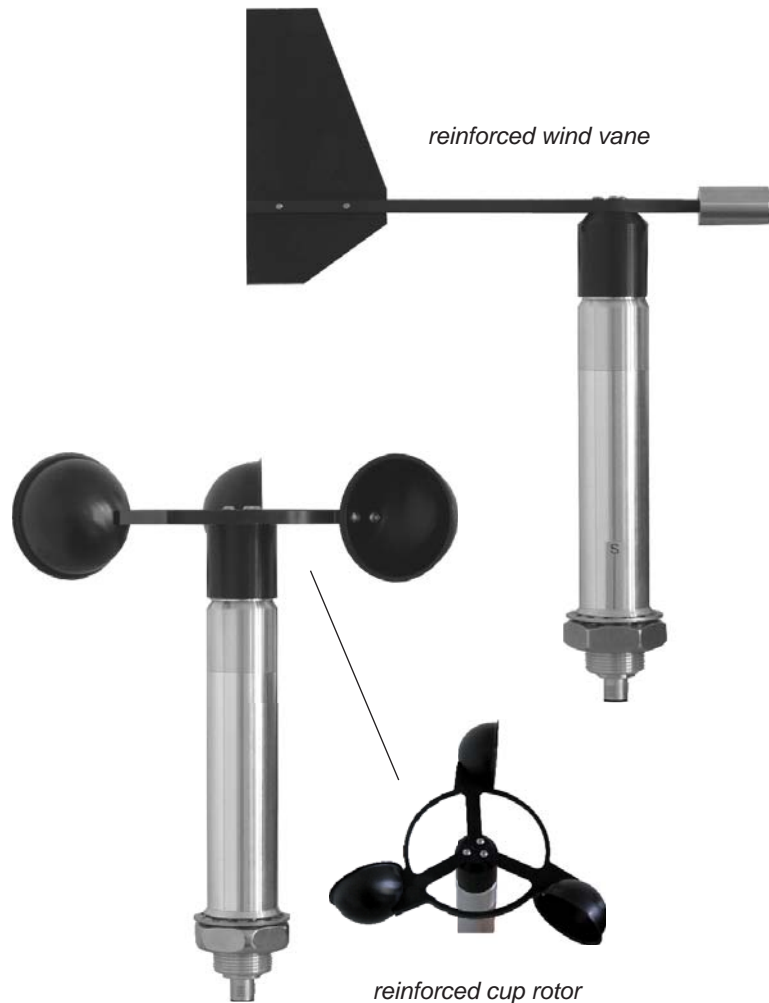
Ultra robust and storm proof...

due to reinforced measuring elements! Improved protection against electrostatic discharge due to special surface! Thus these high-tech sensors are perfectly suitable for use in all regions that are at risk from lightning and storms.

The design is aerodynamically optimised, the housing and the measuring elements are made of seawater resistant aluminium. The integrated, controlled heating and the optionally available cable with high UV-resistance are further advantages.

- ▶ reinforced measuring elements and stronger axis
- ▶ high vibration resistance
- ▶ improved protection against electrostatic discharge
- ▶ high measuring range of 60 m/s
- ▶ low starting values
- ▶ very high resolution of measuring values

wind power plants • for use in all regions that are at risk from lightning and storms • robust industrial applications • crane systems • open-pit mining



Professional Line	Wind Sensors PRO-WEA/RF	
Id-No.	(14523 RF) Wind direction 00.14523.230 040	(14524 RF) Wind speed 00.14524.200 040
Measuring elements:	reinforced wind vane • aluminium • special surface	reinforced 3-armed cup • aluminium • special surface
Measuring range:	0...360°	0.6...60 m/s
Accuracy:	± 2°	± 0.3 m/s ≤ 10 m/s • ± 0.6 m/s ...60 m/s
Resolution/ Starting value:	< 1° • < 0.5 m/s	< 0.1 m/s • < 0.6 m/s
Output:	4...20 mA = 0...360° • 4 Hz update rate	4...20 mA = 0...60 m/s • 4 Hz update rate
Weight:	0.4 kg	0.35 kg
Measuring principle:	Hall Sensor Array, non-contact	
Range of application:	temperatures -40...+70 °C • heated • wind speed max. gusts 100 m/s • humidity 0...100 % r.h.	
Supply voltage:	24 V _{DC} (20...28 V _{DC}) • 18 W heating • max. 800 mA • The heating within the sensor head prevents blocking of the moving parts under most climatological conditions.	
Housing:	seawater-resistant aluminium • IP 65 in upright position • M12 cable-plug connection • stainless steel nut and lock washer	
Included in delivery:	1 sensor • 15 m cable • with 4 pin M12 plug connector	