WIND SENSORS "PRO-WEA"

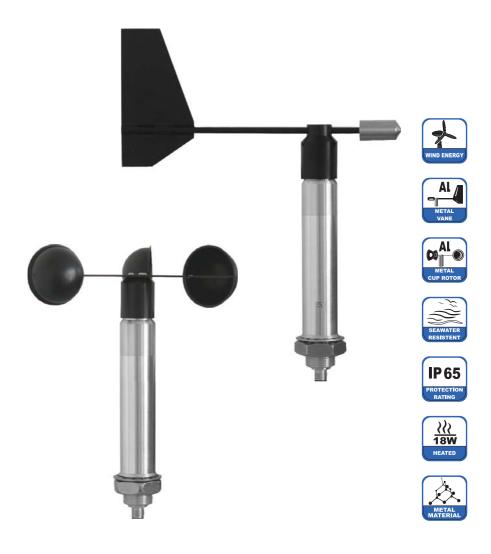
Wind direction and wind speed

The universal-genius...

with improved protection against electrostatic discharge! Thus these high-tech sensors are predestinated for operation in lightning-prone regions. 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. PRO-WEA sensors are robust and best suited for yearround applications in most climatic zones.

- ▶ improved protection against electrostatic discharge
- ▶ especially robust due to reinforced axis
- ▶ high measuring range of 60 m/s
- ▶ low starting values of < 0.5 m/s
- ▶ very high resolution of measuring values

wind power plants • lightningprone regions • all kinds of industrial applications • crane systems • open-pit mining



Standard Line	Wind Sensors PRO-WEA	
ld-No.	(14523) Wind direction 00.14523.130 040	(14524) Wind speed 00.14524.100 040
Measuring elements:	wind vane • aluminium · special surface	3-armed cup • aluminium · special surface
Measuring range:	o360°	o.560 m/s
Accuray:	± 2°	\pm 0.3 m/s \leq 10 m/s \cdot \pm 0.5 m/s60 m/s
Resolution/ Starting value:	< 1° • < 0.5 m/s	< o.1 m/s ● < o.5 m/s
Output:	420 mA = 0360° · 4 Hz update rate	420 mA = 060 m/s · 4 Hz update rate
	At the current output (420 mA) a load of max. 600 Ohm must not be exceeded.	
Weight:	o.4 kg	o.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 0100 % r.h.	
Supply voltage:	24 V_{DC} (2028 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 \cdot IP 65 in upright position \cdot M12 cable-plug connection \cdot stainless steel nut and lock washer	
Included in delivery:	1 sensor • 15 m cable · with 4 pin M12 plug connector	

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