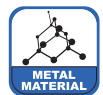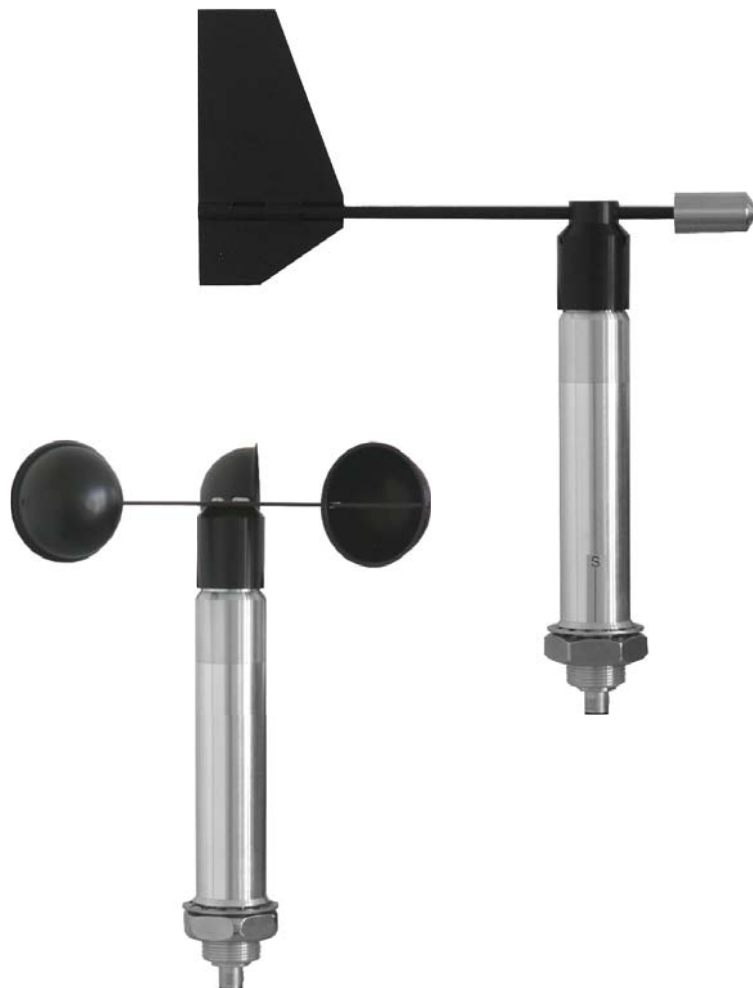**The universal-genius...**

with improved protection against electrostatic discharge!
Thus these high-tech sensors are pre-destinated for operation in lightning-prone regions.
The design is aerodynamically opti-mised, the housing and the measuring elements are made of seawater resist-ant aluminium.
The integrated, controlled heating and the optionally available cable with high UV-resistance are further advan-tages. PRO-WEA sensors are robust and best suited for year-round appli-cations in most climatic zones.

- improved protection against elec-trostatic 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 • lightning-prone regions • all kinds of industrial applications • crane systems • open-pit mining

WIND ENERGY

AL METAL VANE

AL METAL CUP ROTOR

SEAWATER RESISTENT

IP 65 PROTECTION RATING

18W HEATED

METAL MATERIAL

Standard Line	Wind Sensors PRO-WEA	
Id-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:	0...360°	0.5...60 m/s
Accuracy:	± 2°	± 0.3 m/s ≤ 10 m/s · ± 0.5 m/s...60 m/s
Resolution/ Starting value:	< 1° • < 0.5 m/s	< 0.1 m/s • < 0.5 m/s
Output:	4...20 mA = 0...360° · 4 Hz update rate	4...20 mA = 0...60 m/s · 4 Hz update rate
	At the current output (4..20 mA) a load of max. 600 Ohm must not be exceeded.	
Weight:	0.4 kg	0.35 kg
		Version: Id-No. 00.14524.100 540 Output: 4...20 mA = 0...50 m/s
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 pre-vents 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	