WIND SENSORS "PRO-WEA/RF"

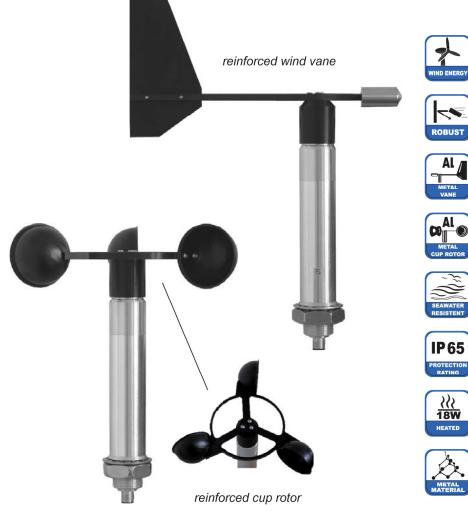
Wind direction and wind speed

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 form 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



| reinforced wind van | WIND ENERGY |
|-----------------------|-------------------------|
| | ROBUST |
| | AL METAL VANE |
| 4-6 | METAL CUP ROTOR |
| | SEAWATER RESISTENT |
| | IP 65 PROTECTION RATING |
| | 2\\\ 18W HEATED |
| reinforced cup rotor | METAL MATERIAL |
| Tolliloroca cap folor | |











Professional Line

Wind Sensors PRO-WEA/RF

| ld-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: | o360° | o.66o m/s |
| Accuray: | ± 2° | \pm 0.3 m/s \leq 10 m/s \cdot \pm 0.6 m/s60 m/s |
| Resolution/ Starting value: | < 1° • < 0.5 m/s | < 0.1 m/s • < 0.6 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 | 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 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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