LAMBRECHT
meteo
AN **aem** BRAND

PRO-WEA RF | WIND DIRECTION SENSOR

METAL MATERIAL

ROBUST

SEAWATER RESISTENT
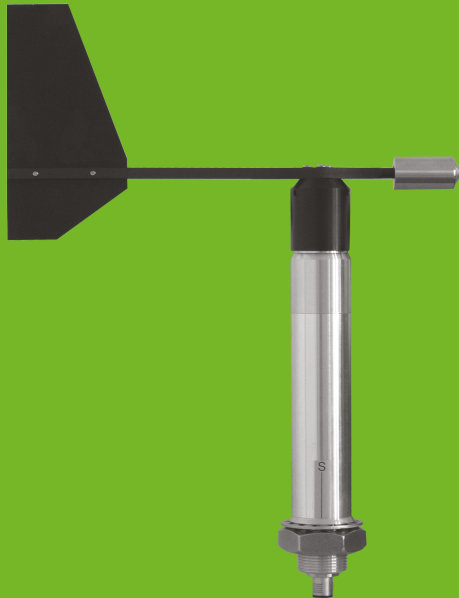
WIND ENERGY

IP 65 PROTECTION RATING

Al METAL VANE

18W HEATED

Ultra robust and storm proof ...

due to reinforced measuring elements! With improved protection against electrostatic discharge due to their speciacal surface, 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 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.

· reinforced measuring elements and stronger axis
· high vibration resistance
· improved protection against electrostatic discharge
· possible application with max. gusts of 100 m/s
· low starting values
· very high resolution of measuring values

APPLICATIONS

· 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	PRO-WEA RF
Id-No.	00.14523.230040
Measuring range	0...360°
Accuracy	± 2°
Resolution	1°
Starting value	0.5 m/s
Output	4 Hz update rate • 4...20 mA = 0...360° • 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 • reinforced wind vane
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	0.4 kg
Included in delivery	1 sensor • 15 m cable • with 4 pin M12 plug connector

As of: 26.04.2024