

PRO-Modbus WIND DIRECTION SENSOR



Rugged for year-round use

The Modbus RTU Interface simplifies the integration of the sensors into networks and allows the construction of long communication distances. PRO-Modbus sensors are predestined for use in areas subject to lightning. Their improved protection against electrostatic discharge in combination with the interference-proof communication ensures a high integrity of your data. PRO-Modbus sensors with their integrated, regulated heating system provide you with reliable work as a tireless endurance runner in all-year use and in most climatic zones.

- Improved protection against electrostatic discharge
- Especially robust due to reinforced axis
- Low starting values of < 0.5 m/s
- Very high resolution of measuring values

APPLICATIONS

- Professional meteorological applications
- Building automation
- Photovoltaic systems
- Industrial meteorology

Professional Line	PRO-Modbus
Id-No.	00.14523.131030
Measuring range	0...360°
Accuracy	2°
Resolution	1°
Starting value	0.5 m/s
Output	Modbus RTU
Range of application	temperatures -40...+70 °C heated • wind speed max. gusts 100 m/s • humidity 0...100 % r.h.
Supply voltage	24 VDC (6...32 VDC)
Current consumption	max. 800 mA at 24 VDC and max. heating • 13 mA at 24 VDC and inactive heating (The heating can be deactivated via software tool. This allows the current consumption to be reduced to 8.5 mA at 24 VDC.)
Measuring elements	aluminium • special surface • wind vane
Measuring principle	Hall Sensor Array, non-contact
Heating data	18 W heating • electronically controlled • 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
Weight	0.4 kg
Accessories (order separately)	32.14567.060010 sensor cable, 15 m, 4 pole, M12 plug 32.14567.060000 sensor cable, 12 m, 4 pole, M12 plug