

PRO-Modbus Wind Speed Sensor



APPLICATIONS

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

Extremely robust and with Modbus RTU

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
- High measuring range of 75 m/s
- Low starting value
- Very high resolution of measuring values



PRODUCT OVERVIEW

PRO-Modbus Wind Speed Sensor

Professional Line	PRO-Modbus
Id-No.	00.14524.101030
Measuring range	0.5...75 m/s
Accuracy	0.3 m/s ≤ 10 m/s; 0.5 m/s...60 m/s
Resolution	0.1 m/s
Starting value	0.5 m/s
Output	Modbus RTU
Range of application	Temperature: -40...+70 °C heated; wind speed: max. gusts 100 m/s; rel. 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	Aluminum; specially coated; 3 armed cup rotor
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 aluminum; IP 65 in upright position; M12 cable-plug connection; stainless steel nut and lock washer
Weight	0.35 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

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