PRODUCT OVERVIEW

PRO-Modbus Wind speed sensor

POSSIBLE APPLICATIONS

- Professional meteorological applications
- Building automation
- Solar power systems
- Industrial meteorology

Particularly robust and with Modbus RTU

The Modbus RTU interface simplifies the integration of sensors into networks and enables the establishment of long communication distances. PRO Modbus sensors are ideal for use in areas prone to lightning strikes. Their improved protection against electrostatic discharge, combined with interference-free communication, ensures high data integrity. With their integrated, regulated heating, PRO Modbus sensors work tirelessly for you all year round and in most climate zones.

- Improved protection against electrostatic discharge
- Particularly robust due to reinforced axle
- Large measuring range up to 75 m/s
- Very low starting value
- Very high resolution of measured values

PRODUCT OVERVIEW

PRO-Modbus Wind speed sensor

Professional Line	PRO-Modbus
Ident-No.	00.14524.101030
Measuring ranges	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
Start-up value	< 0.5 m/s
Output	Modbus RTU
Areas of application	Temperature: -40...+70 °C heated; Wind speed: max. gusts 100 m/s; Relative humidity: 0...100 % RH
Supply voltage	24 VDC (6...32 VDC)
Power consumption	Max. 800 mA at 24 VDC and max. heating; 13 mA at 24 VDC and inactive heating (The heating can be deactivated using a software tool. This reduces the power consumption to 8.5 mA at 24 VDC.)
Measuring elements	Aluminum; specially coated; 3-arm cup rotor
Measuring principle	Hall sensor array, contactless
Heating data	18 W heating; electronically controlled (The heating in the sensor head prevents the moving parts from blocking under most climatic conditions.)
Housing	Seawater-resistant aluminum; IP65 rating when installed vertically; M12 cable connector; stainless steel nut and lock washer
Weight	0.35 kg
Accessories (order separately)	32.14567.060010 Sensor cable, 15 m, 4-pin, M12 plug 32.14567.060000 Sensor cable, 12 m, 4-pin, M12 plug

As of November 15, 2026