

PRO-Modbus WIND SPEED SENSORS



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 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.	00.14524.101030
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	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 • 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 aluminium • 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