

PRO-Modbus WIND SPEED SENSORS



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 rein-forced axis
- high measuring range of 75 m/s
- low starting values of < 0.5 m/s
- very high resolution of measur-ing values

APPLICATIONS

- professional meteorological applications
- building automation
- photovoltaic systems
- industrial meteorology

Professional Line	PRO-Modbus Wind speed sensors
Id-No.	00.14524.100030
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

As of: 18.10.2019