

# INDUSTRY Modbus WIND SPEED SENSOR



Very economical...

This wind pair is of a special nature and very economical in acquisition. Furthermore, these sensors impress with high accuracy, simplest mounting methods and ultimately robust, seawater-proof materials. The Modbus RTU interface simplifies sensor installation and integration into networks.

- precision, tradition and future reliability
- large operative measuring and temperature range
- simplest mast mounting
- very good starting values through magnetic, contactless measuring principle

## APPLICATIONS

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

| Professional Line              | INDUSTRY Modbus Wind speed sensor  |
|--------------------------------|--|
| Id-No.                         | 00.14577.110030  |
| Measuring range                | 0.7...50 m/s   |
| Accuracy                       | 0.5 m/s at 0.7...5 m/s and 2 % FS at 5.02...50 m/s   |
| Resolution                     | < 0.02 m/s   |
| Starting value                 | < 0.7 m/s  |
| Output                         | Modbus RTU · RS 485  |
| Range of application           | temperatures -30...+70 °C heated • wind speed 0...60 m/s   |
| Supply voltage                 | 24 (20...28) VDC • max. 800 mA   |
| Measuring elements             | plastic • 3 armed cup rotor - fail safe  |
| Measuring principle            | Hall Sensor Array  |
| Dimensions                     | cup rotor Ø 95 mm - H 230 mm   |
| Housing                        | aluminium • anodised • IP 55 • Ø 32 mm • bore Ø 30 mm for mounting at traverse                               |
| Weight                         | approx. 0.25 kg  |
| Included in delivery           | 4-pole M12 plug connector  |
| Accessories (order separately) | 32.14567.060010 sensor cable, 15 m, 4 pole, M12 plug<br>32.14567.060000 sensor cable, 12 m, 4 pole, M12 plug |

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