

**INDUSTRY WIND SPEED SENSOR**



Proven in a wide range of applications

Of a special nature and a very economical purchase is this wind speed sensor. Furthermore, the sensor impresses with high accuracy, the simplest mounting methods and ultimately robust, seawater resistant materials. The optimal heating of the sensor head and the minimum power demand of the system are made possible by thermal decoupling of the housing shaft.

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

**APPLICATIONS**

- industrial applications
- wind power plants
- building services
- wind warning devices on cranes
- in all climatic zones
- environmental measurements

| Professional Line    | INDUSTRY  |
|----------------------|---|
| Id-No.               | 00.14577.100000 Wind speed 0...20 mA output<br>00.14577.100040 Wind speed 4...20 mA output<br>00.14577.100180 Wind speed 0...10 VDC output = 0...50 m/s |
| Measuring range      | 0.7...50 m/s  |
| Accuracy             | < ± 2 % FS  |
| Resolution           | < 0.02 m/s  |
| Starting value       | < 0.7 m/s   |
| Output               | max. load 600 Ω • 0(4)...20 mA = 0...50 m/s   |
| Range of application | temperatures -30...+70 °C heated • wind speed 0...60 m/s  |
| Supply voltage       | 24 (20...28) VDC • max. 800 mA • electr. controlled heating • 18 W  |
| Measuring elements   | plastic • wind direction: wind vane - dimensionally stable • wind speed: 3 armed cup rotor - fail safe  |
| Measuring principle  | Hall Sensor Array   |
| Dimensions           | wind speed: 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 | cable • with plug • 12 m • ready-for-use  |

As of: 24.07.2022