WIND SPEED SENSOR

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 Wind speed sensor
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Id-No. | 00.14577.100000 Wind speed 0...20 mA output
| 00.14577.100040 Wind speed 4...20 mA output
| 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: 01.07.2020