

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 Wind speed sensor
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: 12.11.2021