

## PROFESSIONAL-IX 3.0 WIND SPEED SENSOR



Fully heated sensor for use in extreme cold

The PROFESSIONAL-IX 3.0 wind speed sensors, which are fully heated with 125 watts, are of high quality and particularly suitable for use in extremely cold conditions. Thanks to the double bearing and special alloys, they offer a wide range of measurement and temperature applications. The non-contact measuring principle ensures wear-free, precise and reliable measured value acquisition. Simple mounting principles ensure a high degree of flexibility.

- Wide measuring and temperature operating ranges for year-round use
- Very good starting values due to contactless measuring principle
- Optimal heating concept for cold climate conditions
- Extremely high robustness and longevity

### APPLICATIONS

- Cold Climate Standard
- Polar stations
- Wind turbines
- Cableways
- Winter sports facilities
- Wind warning systems

| Professional Line              | PROFESSIONAL-IX 3.0  |
|--------------------------------|--|
| Id-No.                         | 00.14602.300000: 0...20 mA<br>00.14602.300004: 4...20 mA   |
| Measuring range                | 0.4...50 m/s   |
| Accuracy                       | ± 2 % FS at 0.4...50 m/s   |
| Resolution                     | < 0.1 m/s  |
| Starting value                 | 0.4 m/s  |
| Output                         | 0(4)...20 mA   |
| Range of application           | Temperature -40...+70 °C heated; wind speed 0...60 m/s; humidity 0...100 % r. h.   |
| Supply voltage                 | Sensor 24 (20...28) VDC; heating 24 VDC; 125 W   |
| Measuring elements             | Specially coated; 3-armed cup rotor - aluminum   |
| Measuring principle            | Contact-free; Hall Sensor Array  |
| Dimensions                     | Cup rotor Ø 218 mm; H 241 mm   |
| Housing                        | Seawater-resistant aluminum, specially coated; IP 65 in upright position   |
| Weight                         | Approx. 0.8 kg   |
| Accessories (order separately) | Id-No. 32.14601.060000 15 m cable, onesided with connector<br>Id-No. 32.14567.006000 Mast adapter Ø 50 mm<br>Id-No. 32.14567.010000 Traverse |

As of: 04.03.2025