

AN **aem** BRAND

As of: 24.02.2023

## PROFESSIONAL-IX 3.0 WIND SPEED SENSOR





## Safe operation in ice and snow

of the sensors PROFESSIONAL-IX 3.0 with 125-watt heating unit! Consequently, these high-quality wind sensors are particularly appropriate for use in extremely low temperatures. The double bearings as well as special alloys enable the large measuring and temperature operating ranges. The contactless measuring principle ensures wearfree, precise and thus certain data acquisition. The simple mounting methods provide a high degree of flexibility.

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

## **APPLICATIONS**

- · Cold Climate Standard
- Polar stations
- $\cdot\,$  Wind turbines
- $\cdot$  Cableways
- · Winter sports facilities
- $\cdot\,$  Wind warning systems

| Professional Line  | PROFESSIONAL-IX 3.0  |
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| ld-No.   | 00.14602.300000: 020 mA<br>00.14602.300004: 420 mA<br>00.14602.300007: frequency • 0500 Hz = 050 m/s                   |
| Measuring range  | 0.450 m/s  |
| Accuracy   | ± 2 % FS at 0.450 m/s  |
| Resolution   | 0.1 m/s  |
| Starting value   | 0.4 m/s  |
| Output   | 0[4]20 mA  |
| Range of application   | temperatures -40+70 °C heated • wind speed 060 m/s • humidity 0100 % r. h.   |
| Supply voltage   | sensor 24 (2028) VDC • heating 24 VDC • 125 W  |
| Measuring elements   | special coated • 3 armed cup rotor - aluminium   |
| Measuring principle  | contact-free • Hall Sensor Array   |
| Dimensions   | wind speed: cup rotor Ø 218 mm - H 241 mm  |
| Housing  | seawater resistant aluminium • 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 <sub>-</sub> 006000 Mast adapter Ø 50 mm |
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