PRODUCT OVERVIEW

PROFESSIONAL-IX 3.0 Modbus wind speed

POSSIBLE APPLICATIONS

- Polar stations
- Wind turbines
- Ropeways
- Winter sports facilities
- Wind warning systems
- Airports

Reliable wind measurement in icy cold conditions

These wind sensors for use in cold climates feature a robust design to withstand extreme conditions. With their extended operating range and non-contact measurement principle, they deliver accurate wind measurements in real time. Their optimized heating concept makes them ideal for reliable operation at very low temperatures. Thanks to the Modbus protocol, the sensors can be seamlessly integrated into various systems, facilitating data acquisition and analysis.

- Wide measurement and temperature ranges for year-round use
- Excellent start-up values thanks to contactless measuring principle
- Optimal heating concept for cold climates
- Maximum resilience and durability

PRODUCT OVERVIEW

PROFESSIONAL-IX 3.0 Modbus wind speed

Professional Line	PROFESSIONAL-IX 3.0 Modbus
Ident-No.	00.14602.300003
Parameters	Wind speed in m/s
Measuring ranges	0.4...50 m/s
Accuracy	± 2% FS at 0.4...50 m/s
Resolution	< 0.1 m/s
Start-up value	0.4 m/s
Protocols	Modbus RTU
Interface	RS-485
Areas of application	Temperature: -40...+70 °C heated; Wind speed: 0...60 m/s; Humidity: 0...100 % RH
Supply voltage	Sensor 24 (20...28) VDC, 312 mW; heating 24 VDC, 125 W
Power consumption	Max. 13 mA at 24 VDC
Measuring elements	Three-armed cup rotor; specially coated aluminum
Measuring principle	Non-contact; Hall sensor array
Heating data	125 W heating; electronically controlled
Dimensions	Cup rotor: Ø 218 mm; H 241 mm
Housing	Seawater-resistant aluminum with a special coating; IP65 when installed vertically
Weight	0.8 kg
Accessories (order separately)	ID 32.14601.060000 15 m cable, with plug on one end ID 32.14567.010000 Wind crossbar set 750 mm

As of November 15, 2026