PRODUCT-VIEW

LAMBRECHT meteo

AN aem BRAND

PROFESSIONAL-IX 3.0 Modbus WIND SPEED SENSOR

Reliable wind measurement in icy cold

These wind sensors for use in cold climates are robustly designed to withstand extreme conditions. With their extended application range and non-contact measuring principle, they provide precise 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, simplifying data acquisition and analysis.

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

APPLICATIONS

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

Professional Line	PROFESSIONAL-IX 3.0 Modbus
Id-No.	00.14602.300003
Parameter	Wind speed in m/s
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
Protocols	Modbus RTU

Continued on page 2

PRODUCT-VIEW

LAMBRECHT meteo

AN aem BRAND

Professional Line	PROFESSIONAL-IX 3.0 Modbus
Interface	RS485
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, 312 mW; heating 24 VDC, 125 W
Current consumption	Max. 13 mA at 24 VDC
Measuring elements	Three-armed cup rotor; specially coated Aluminum
Measuring principle	Contact-free; Hall Sensor Array
Heating data	125 W heating; electronically controlled
Dimensions	Cup rotor: Ø 218 mm; H 241 mm
Housing	Seawater-resistant Aluminum with special coating; IP 65 in vertical operating position
Weight	0.8 kg
Accessories (order separately)	ID 32.14601.060000 15 m cable, one-sided with plug ID 32.14567.010000 Set wind traverse 750 mm

As of: 17.03.2025