PRODUCT OVERVIEW

ARCO-Modbus Wind sensor

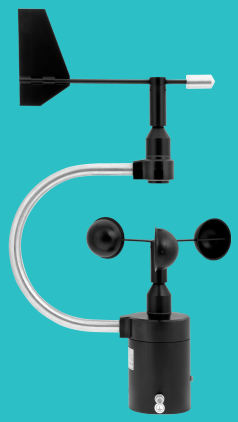
POSSIBLE APPLICATIONS

- Professional meteorological applications
- Building automation
- Solar power systems
- Industrial meteorology

Compact and extremely reliable

The sensors in the ARCO series are very robust, compact, and extremely reliable. Thanks to their shock- and vibration-tested design, these sensors are particularly suitable for use in harsh environmental conditions. The housing and measuring elements are made of seawater-resistant aluminum. The cup rotor, wind vane, and housing are anodized. The Modbus RTU interface simplifies sensor installation and network integration.

- High-quality yet cost-effective solution
- Reliable wind measurements even under extreme weather conditions
- Seawater-resistant materials and special surfaces for long-term use
- Quick and easy mast mounting, connection with just one cable



PRODUCT OVERVIEW

ARCO-Modbus Wind sensor

Professional Line	ARCO Modbus
Ident-No.	00.14581.030430
Measuring range wind direction	0...360°
Measuring range wind speed	0.3...75 m/s
Wind direction accuracy	± 1°
Wind speed accuracy	0.5 m/s at 0.3–5 m/s; 2% FS at 5.1–50 m/s
Wind direction resolution	1°
Wind speed resolution	< 0.1 m/s
Output	RS-485; Modbus RTU
Areas of application	Temperature: -30...+70 °C heated; Wind speed: 0...80 m/s; Relative humidity: 0...100 % RH
Supply voltage	(10...28 VDC), 24 VDC; 20 mA (at 24 VDC)
Housing	Seawater-resistant aluminum; stainless steel
Included in the scope of delivery	4-pin M12 connector
Accessories (order separately)	32.14567.060010 Sensor cable, 15 m, 4-pin, M12 plug 32.14567.060000 Sensor cable, 12 m, 4-pin, M12 plug

As of November 15, 2026