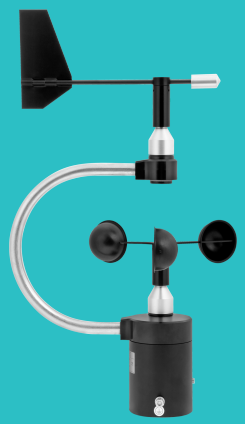
PRODUCT OVERVIEW

ARCO SDI-12 Wind Sensor

POSSIBLE APPLICATIONS

- Hydrology and agricultural meteorology
- Solar-powered weather station



Optimized for low power consumption

All sensors in the ARCO series are characterized by their robustness, compactness, and exceptional reliability. The ARCO SDI-12 is particularly well suited for solar-powered weather stations due to its low energy consumption. To ensure high durability, we use corrosion-resistant materials: the housing and measuring elements are made of seawater-resistant aluminum and stainless steel. The cup rotor, wind vane, and housing are anodized. The ARCO SDI-12 offers a high-quality yet cost-effective solution.

- Low power consumption
- Particularly low start-up values
- Quick and easy installation
- Wind vane and 3-arm cup rotor interchangeable

PRODUCT OVERVIEW

ARCO SDI-12 Wind Sensor

Professional Line	ARCO SDI-12
Ident-No.	00.14582.070470
Parameters	Wind direction and wind speed
Measuring range wind direction	0...360°
Measuring range wind speed	0.3...55 m/s
Wind direction accuracy	± 1 %
Wind speed accuracy	± 2% of full scale at 0.3...55 m/s
Wind direction resolution	< 1°
Wind speed resolution	< 0.1 m/s
Attenuation level Wind direction	0.5...0.6
Removal constant wind speed	4 m
Start-up value	0.3 m/s
Protocols	SDI-12
Areas of application	Temperature: -40...+70 °C; wind speed 0...55 m/s; 0...100 % RH
Supply voltage	Sensor 9...15 VDC; 4 mA at 12 VDC
Housing	Seawater-resistant aluminum; specially coated; IP65 when installed vertically
Weight	Approx. 1.7 kg
Options (order separately)	ID No. 36.09340.000000: MeteoWare-CS Basic visualization and analysis software
Accessories (order separately)	ID No. 32.14567.060000: Sensor connection cable with M12 connector, 4-pin; length: 12 m ID No. 32.14567.060010: Sensor connection cable with M12 connector, 4-pin; length: 15 m (Other lengths available upon request.)

As of November 15, 2026