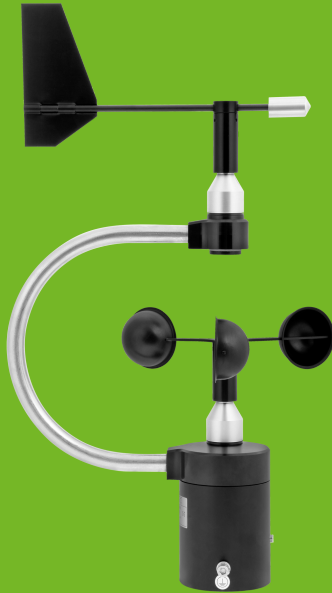


ARCO SDI-12 WIND SENSOR



Optimised for low current 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 shell star, wind vane, and housing are anodized. The ARCO SDI-12 offers a high-quality yet cost-effective solution.

- Low current consumption
- Particularly low starting values
- Quick and easy installation
- Wind vane and 3-arm cup rotor exchangeable

APPLICATIONS

- Hydrology and agrometeorology
- Solar-powered weather stations

Professional Line	ARCO SDI-12
Id-No.	00.14582.070470
Parameter	Wind direction and wind speed
Meas. range wind direction	0...360°
Meas. range wind speed	0.3... 55 m/s
Accuracy wind direction	± 1 %
Accuracy wind speed	± 2 % FS at 0.3...55 m/s
Resolution wind direction	< 1°

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Professional Line	ARCO SDI-12
Resolution wind speed	0.1 m/s
Damping ration wind direction	0.5...0.6
Distance ratio wind speed	4 m
Starting value	0.3 m/s
Protocols	SDI-12
Range of application	Temperature: -40...+70 °C; wind speed 0...55 m/s; 0...100 % r. h.
Supply voltage	Sensor 9...15 VDC; 4 mA at 12 VDC
Housing	Seawater-resistant aluminum; specially coated; IP 65 in vertical position of use
Weight	Approx. 1.7 kg
Options (order separately)	Id-No. 36.09340.000000 · Visualisation and evaluation software MeteoWare-CS-3 Basic
Accessories (order separately)	Id-No. 32.14567.060000 · Sensor connection cable with plug connector M12, 4-pin · Length: 12 m
	Id-No. 32.14567.060010 · Sensor connection cable with plug connector M12, 4-pin · Length: 15 m (Other lengths available on request)

As of: 17.03.2025