

ARCO SDI-12 WIND SENSOR



Optimised for low current consumption

All sensors of the ARCO series are very robust, compact and extremely reliable. Due to its low energy consumption, the ARCO SDI-12 is also particularly suitable for solar-powered weather stations.

For a long service life we use corrosion-resistant materials: The housing and the measuring elements are made of seawater-resistant aluminium and stainless steel. The cup rotor, the wind vane and the housing are anodized. The ARCO SDI-12 is a high quality yet cost effective solution.

- low current consumption: < 4 mA at 12 VDC
- particularly low starting values: 0.3 m/s
- quick and easy installation
- wind vane and 3-arm cup rotor exchangeable
- SDI-12 Protocol · Version 1.4

APPLICATIONS

- hydrological and agro-meteorological applications
- solar-powered weather stations

Professional Line	ARCO SDI-12 Wind sensor
Id-No.	00.14582.070470
Parameter	Wind direction · 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°
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 aluminium · 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: 03.03.2020