

The robust combined sensor

The sensors of the ARCO family are very robust, compact and extremely reliable.

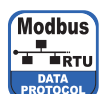
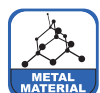
Due to their shock and vibration proof construction the ARCO-Modbus sensors are particularly qualified for use under severe environmental conditions.

The housing and the measuring elements are made of seawater resistant aluminium alloys. The housing, the cup rotor and the wind vane are anodised.

The Modbus RTU interface simplifies sensor installation and integration into networks.

- qualitatively ambitious and cost-effective solution
- reliable wind measurement, including under extreme weather conditions
- seawater resistant materials and surface finishes for long-life application, including under harsh conditions
- quick and easy pipe mounting, connection with just one cable

professional meteorological applications • building automation • photovoltaic systems • industrial meteorology



Professional Line	(14581)	Wind Sensor ARCO-Modbus	Id-No. 00.14581.030430
Meas. range wind direction:	0...360°		
Meas. range wind speed:	0.3...75 m/s		
Accuracy wind direction:	± 1°		
Accuracy wind speed:	0.5 m/s at 0.3...5 m/s • 2 % FS at 5.1...50 m/s		
Resolution wind direction:	1°		
Resolution wind speed:	< 0.1 m/s		
Range of application:	temperature* -30...+70 °C heated • wind speed 0...80 m/s • 0...100 % r. h.		
Output:	RS 485 · Modbus RTU		
Supply voltage sensor:	(10...28 V DC) , 24 V DC • 50 mA (at 24 V DC)		
Connection:	4-pole M12 plug connector		
Housing:	made of anodized seawater resistant aluminium, stainless steel		

*) under non-icing environmental conditions