



WIND SENSOR "ARCO-NAV"

Wind direction and wind speed

The classical combined sensor...

for off-shore applications. The robust design made from seawater-resistant materials and additional special coating guarantees high reliability and error-free long time use. The measured wind values will be given as NMEA-protocol serially every second. Both under extreme weather conditions and on the high seas and applications close to the sea this sensor is the first choice.

- ▶ approved combined sensor design for universal use
- ▶ special coating for error-free long time use
- ▶ best material quality and precision for low start-up values and wide measuring range
- ▶ wear-free data collection for high accuracy and resolution of the measuring values
- ▶ serial interface with NMEA 0183 protocol

professional naval meteorology

- ship meteorology
- coastal surveillance
- cranes
- buoys
- off-shore wind energy plants
- other off-shore applications and robust industry applications



Professional Line

Wind Sensor ARCO-NAV

Id.-No. 00.14581.110010

Meas. range wind direction:	0...360°
Meas. range wind speed:	0.3...75 m/s
Accuracy wind direction:	± 1°
Accuracy wind speed:	± 2 % FS at 0.3...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.
Wind sensors with heating:	2 x 9 W
Output:	serial RS 422, NMEA 0183 - Talker
Supply voltage sensor:	(10...28 V DC) , 24 V DC 50 mA (at 24 V DC)
Supply voltage heating:	(20...28 V DC), 24 V DC, 800 mA
Housing:	made of anodized seawater resistant aluminium, stainless steel · white coated



WIND SENSOR "ARCO-SERIAL"

Wind direction and wind speed

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 sensors ARCO-SERIAL 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.

- ▶ 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

Applications:
robust industry applications



Professional Line

Wind Sensor ARCO-SERIAL

Id.-No. 00.14581.010010

Meas. range wind direction:	0...360°
Meas. range wind speed:	0.3...75 m/s
Accuracy wind direction:	± 1°
Accuracy wind speed:	± 2 % FS at 0.3...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.
Wind sensors with heating:	2 x 9 W
Output:	serial RS 422, NMEA 0183 - Talker
Supply voltage sensor:	(10...28 V DC) , 24 V DC 50 mA (at 24 V DC)
Supply voltage heating:	(20...28 V DC), 24 V DC, 800 mA
Housing:	made of anodized seawater resistant aluminium, stainless steel