COMBINED WIND SENSOR "BLUESONIC"

Wind direction and wind speed

Combined ultrasonic sensor ...

for wind direction and wind speed. The seawater resistent sensor is perfectly heated and ideal for use at cold climate conditions.
The equipment is connected by way of an 8 pole screw connector. The measured values can be requested over a variety of interfaces.

- without moving measuring elements
- 2 parameters measurable
- optimal heatable
- easy installation, easy to maintain

professional meteorological application • wind turbines on- and off-shore • ship weather station • building automation • traffic meteorology • industrial meteorology • wind warning

NO MOVING PARTS · METAL MATERIAL · SEAWATER RESISTENT · NMEA DATA PROTOCOL · 4 ... 20mA ANALOG OUTPUT

Professional Line	**(16461)**	**Combined Ultrasonic Wind Sensor BLUESONIC**		
Parameter:		**Measuring range:**	**Accuracy:**	**Resolution:**
Wind direction:		0...359.9°	‹ 2° (› 1 m/s) RMSE	0.1°
Wind speed:		0...65 m/s	± 0.2 m/s RMSE (v ‹ 10 m/s); ± 2 % RMSE (v › 10 m/s)	0.1 m/s
Response threshold:		0.1 ms (adjustable for wind direction)		
Measuring rate:		1 Hz		
Operating conditions:		-40...+60 °C (with heating) • 0...100 % r. h.		
Protocols:		NMEA 0183 • WIMWV · WIMTA		
Power supply:		24 V_{DC} ± 10 %		
Current consumption and power input:		sensor: approx. 50 mA / 1.2 VA at 24 V_{DC} • with heating: approx. 10 A / 240 VA at 24 V_{DC}		
Housing:		seawater-resistant aluminium · IP 65		
Dimensions/ Weight:		incl. mounting bracket: Ø 150 mm · height 170 mm · approx. 1.63 kg		
Versions/ Interfaces:				
BLUESONIC NMEA				
Id.-Nr. 00.16461.000 010		serial · RS422 NMEA/ Talker • baud rate 4800		
BLUESONIC ANALOG				
Id.-Nr. 00.16461.000 040		4...20 mA • maximum load 300 Ω		