

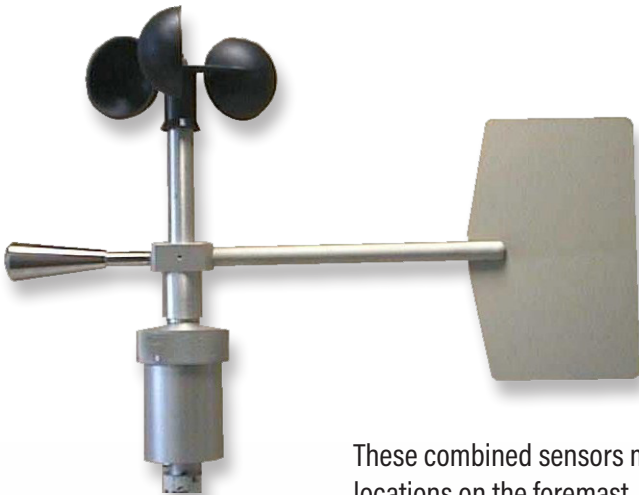


Mechanical AnemoVane

818 323



This sensor measures the wind speed and direction.



- **Compact:**
easy integration
- **Rugged:**
for harsh marine environments
- **Simplified maintenance:**
interchangeable parts

These combined sensors measure the wind speed and direction. They are installed at various locations on the foremast, on the port and starboard sides.

They comprise a microcontroller central processing unit handling measurement acquisition and processing, as well as adjustment and modification of the instrument's specific parameters.

The digital data are delivered via the MODBUS protocol.

Access to the modifications of the parameter settings is provided on a PC via a USB-RS485 interface and the associated software.



Measure up



For more than 30 years, **Chauvin Arnoux Energy** has been implementing **complete solutions** dedicated to ship operation, the defense system, and monitoring of the propulsion systems and electrical circuits.

Anemometer

• Type of sensor	Period meter
• Measurement range	0 to 60.00 m/s
• Resolution	0.01 m/s
• Discrimination threshold	less than 0.5 m/s, 0.5% end of scale +/- 0.3 m/s
• Accuracy	
• Acquisition time	500 ms

Vane

Synchro-resolver
0 to 359.9 °
0.1 °
+/- 2 °
500 ms

Environmental specifications

• Temperature	-20 to +70°C in operation
• Pressure	700 mbar < P < 1,300 mbar
• Hygrometry	10 to 95% RH
• Roll, pitch, list, trim	No effect

Mechanical specifications

• Overall dimensions	690 x 390 mm
• Body material	AU4G aluminum alloy
• Counterweight material	Stainless steel
• Weight	1.6 kg
• Ingress protection	IP20

Electrical specifications

• Power supply	DC voltage from 12 to 35 V=
• Consumption	25 mA at 28 V=
• Connection	Output via cable gland and 5-contact cable



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