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## LCJ Capteurs Ultrasonic Wind Sensor

**For the fift conseticive year**, we will be on the **Marine Equipment Trade Show (METS)** 2017, on the booth number **1.736**. The biggest international trade show on the navy equipment will be taking place in Amsterdam from November 14<sup>th</sup> to 16<sup>th</sup>.



### Quality for 18 years

**LCJ Capteurs** started designing and manufacturing ultrasonic wind sensors in 1999 and the current range of wind vanes/anemometers caters for a wide range of demands, keeping performance and light weight in mind. The CV7 weighs only **200 gr**, with accuracy and data speed matching the most demanding applications.

LCJ Capteurs' sensors have proved their build quality, reliability and accuracy in the harsh marine environment and are now widely used in other fields such as weather stations, industrial applications, security and agriculture to name a few.

LCJ Capteurs is committed to quality: All products are designed and manufactured in the Nantes area **in France** where they are fully tested throughout the manufacturing process. We already export in many countries and we are keeping on our expansion.

### Innovation at METS 2017 :

- **The CV7SF2**, ultrasonic wind sensor wireless new generation
- **The RM-SMART100**, static angle sensor for rotating mast



## 1. The CV7SF2, ultrasonic wind sensor wireless new generation

It includes the same transmission radio protocol that the CV7SF. Our know-how is recognised and approved by our customers.

The major improvement of this product is that it could work under daylight and night time. The sensor is endowed wind measurement frequency about **16 Hz**. By calculation, it could have a data refresh about **2 Hz** frequency.

The product is provided with a battery last technology, type of LiFePo4. The main feature is that the battery can be charged or discharged lots of time. Moreover, the battery is compatible with high temperatures that we can see at the top of the masts. On the other hand, the battery is interchangeable.

Furthermore, a barometer has been added on this product.

- The CV7SF2 is compatible with:

- NMEA 0183
- NMEA 2000 \*
- Bluetooth \*
- Wifi \*

\* with option

- Our product is **plug and play!**

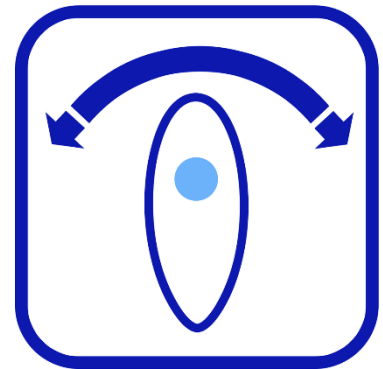


## 2. The RM-SMART100, static angle sensor for rotating mast

Thanks to our static angle sensor for rotating mast, you will not have the problems with link-rods and belts. Our sensor is set up under the mast and no mechanical link the sensor to the magnet that is why the rigging cannot wedge on it.

The product is really easy to install and simple to use.

The SMART position sensor detects the position of a magnet in relation to the sensor. There are two detection ranges available: 0 to 100 ° and 0 to 180 °.



***A new way***  
**to read the wind!**



### LCJ Capteurs, a human and technological adventure

*With now the 5th generation of sonic wind sensors; LCJ Capteurs has manufactured and supplied more than **12,000 sensors** now in use in the worldwide. The company exports 50% of its production and is distributed in XX countries.*

*Our mission is to supply high quality ultrasonic wind sensors (vanes and anemometers) for marine use, with the following features: **compact, light and energy efficient at the best price**. Our products are respectful for men and the environment and we are proud of them.*

### Distributor's enquiries are welcome!

*LCJ Capteurs distribute their products via specialist dealers and distributors.*

### The main benefits of ultrasonic sensors with no moving parts are:

- Light
- Compact
- Robust design
- Low electrical consumption
- Full calibration
- Shock resistant
- Resistant to wind gusts
- Resistant to bird attacks
- Long life time
- Repeatability of the measures in time
- Resilience to the gyroscopic effect
- Stability and sensitivity in light winds
- Small wind surface
- 2 Years guarantee for sensors (each unit comes with a quality check certification)
- 3 Years guarantee for BaroPlug
- Competitive price

### Highlights:

- Nomination at the "**Dame Award 2013**" for the **BaroPlug**
- Special mention from the Jury of the "**Dame Award 2014**" for the **WindyPlug**

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