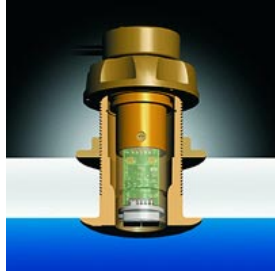


# Sonic Log

## Ultrasonic Speed Sensor

### Speed- and Temperature Sensor

Airmar's revolutionary CS4500 makes cutting edge, high technology speed sensing affordable. Instead of a paddlewheel, it uses two transducers mounted in one compact housing to detect particles in the water and calculates speed based on their distance apart. The CS4500 reacts instantaneously to changes in boat speed and is one of the most reliable and accurate speed sensors in the market.



Instead of the CS4500, four very economic paddle wheel transducers are available. They can be retracted for cleaning.

- **Sonic Speed-Sensor:** 0,1 .. 40 kt
- Regatta Speed-Sensor: 0,3 ... 30 kt
- Cruise Speed-Sensor: 1,0 ... 32 kt
- Planing Boat Sensor: 2,0 ... 48 kt
- Universal Speed-Sensor: 1,5 ... 42 kt

### Log Mixer and Switcher

For added safety, two speed sensors may be installed symmetrically on the hull. Normally, speed is averaged over both sensors. If one sensor fails, only the remaining one will be used.

On multi hulls it may be necessary to measure boat speed only on the leeward hull. Sensor switching will then be a function of wind angle or heel angle.

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The integrated illumination can be adjusted to any value, either for a single display or a group of displays.

### Log Display

Bright yellow LED-pointer around face of display shows amplified speed without delay: *one knot for each pointer revolution.*

And the digital LCD displays:

- Water Speed (1/100 kts)
- Average Speed
- Trip and Total Log Distance
- Timer and Race Timer
- Water Temperature
- Any other desired function, that is in the system

### Additions:

The Display is connected to other Tecnautic units by the CAN-Bus.

Beside that, every display unit has an NMEA in- and output for use with a GPS or plotter, for example.

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[www.tecnautic.com](http://www.tecnautic.com)

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