

LV100 GPS Compass for CPAC Systems

Hemisphere GPS will supply CPAC Systems custom-built LV100 GPS Compasses. The LV100 is a complete GPS compass and positioning assembly utilising a patent-pending design featuring a single carrier board with integrated GPS antennas.

The LV100 GPS Compass is powered by the Hemisphere GPS patented Crescent Vector technology, and integrates two GPS antennas, an NMEA 2000 communication processor, a single-axis gyro, a tilt sensor, and a power supply into a single system. It is an alternative to traditional gyro and fluxgate compass sensors, providing precise positioning and speed measurements while being immune to magnetic interference typically present on marine vessels. The dual integrated antennas provide both heading and position data, and the gyro and tilt sensor improve system performance and provide backup heading information, if the GPS-based heading is ever lost.

The LV100 GPS Compass will be incorporated into CPAC's state-of-the-art embedded control system for "steer-by-wire". The LV100 GPS Compass' ability to provide accurate and reliable heading and sub-metre positioning will be an integral add-on to CPAC's technology platform for marine and industrial applications.

<https://www.hydro-international.com/content/news/lv100-gps-compass-for-cpac-systems>
