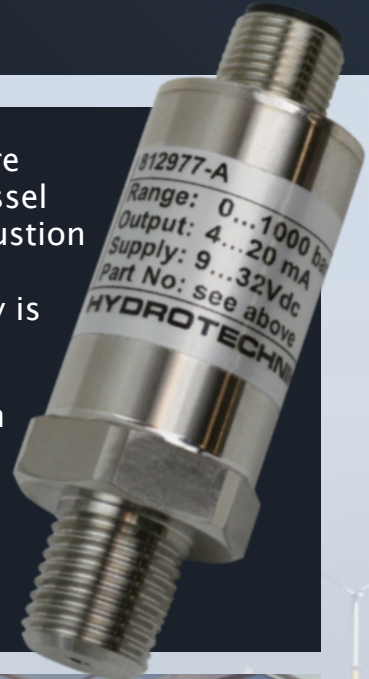


CMB.TECH Marine Vessels & Trucks

Hydrogen Sensors

Hydrotechnik UK Test Engineering Ltd. provides the hydrogen pressure sensors used on the world's first hydrogen-powered crew transfer vessel (Hydrocat) and the world's first tugboat (Hydrotug) powered by combustion engines that burn hydrogen in combination with traditional fuel manufactured by company CMB.TECH. The same dual-fuel technology is used for their hydrogen trucks.

600 bar hydrogen pressure sensors are applied to monitor the system manifold pressure of CMB.TECH's Hydrocat and Hydrotug marine vessels, mounted directly to the in-cylinder valve block, within the hydrogen tubing manifold. The same sensors monitor the system pressure of CMB.TECH trucks, where each sensor measures the pressure over two tanks.



Hydrocat



Hydrotug



Truck

Hydrotechnik UK hydrogen sensors are unique in design, with the wetted parts made from one solid piece. This means the measuring cell is free from welds by being designed to prevent embrittlement of the metal surface by ionized hydrogen, plus the measuring cell is free from transfer fluid.

A wide range of pressure sensors designed for use with hydrogen, ATEX and EC79 approval options and for pressures up to 1,000 bar are available with a wide range of threads, electrical connections and signal outputs to suit various applications.

Visit hydrotechnik.co.uk to browse our full hydrogen range which includes combined pressure & temperature sensors, flow meters, LH2 sensors and tank burst test services.

