

## Why Tank Content Measurement?

Tired of corrosive tank level sensors, rough installation and troubleshooting procedures and the lack of spare parts? Inaccurate or ineffective tank gauging systems lead to faulty data or even gaps in data monitoring.

With more than 180,000 tank and draught sensors installed, we show you what Tank Content Measurement really is about. For us, Tank Content Measurement means accurate and highly reliable liquid level and temperature measurement of ballast tanks, cargo tanks, fuel oil tanks and other liquid tanks – no matter what size or shape.



The Hoppe Marine's Tank Content Measurement System offers measuring and monitoring of tank content and liquid temperature and can even be extended to measure the vessel's draught. Due to the utilization of versatile and well-proven hydrostatic and electro-pneumatic pressure sensors, the system is suitable for various applications.

Especially in terms of level detection in a wide range of liquids, the hydrostatic pressure transmitters HCG2011 and HCG4011 have demonstrated their effectiveness. Measuring range, housing material and process integration of these sensors can be precisely adjusted to the given demands on board. The liquid level acts on a pressure measuring cell which converts the hydrostatic pressure into an electronic signal. Thus, the measuring of tank content with Hoppe Marine's hydrostatic pressure transmitters is completely unaffected by foaming or installations inside the tank.

When lowering the installation costs is the key factor, rather than the sensor accuracy, the electro-pneumatic pressure sensors are available to measure the liquid level in a well-protected manner from inside control cabinets via a continuously running air bubbling system. The measuring unit is fully equipped with all necessary features of air flow indication, air flow adjustment, purge function as well as stop valves and safety valves, in order to protect the sensitive measuring cell against liquid ingress into the measuring line.



Whatever the preferred technology, Hoppe Marine's PLC-Unit HOMIP always acts as the signal hub between all process components and workstations as well as further centralized ship management systems. The integrated 6 inch touch screen offers a structured interface for system configuration, parameter settings and easy system operation. The system setup is designed for centralized and decentralized installations.

Don't waste your time with unreliable tank gauging sensors and systems, designed with incompatible components of various manufacturers. Our in-house development and production lead to constant product improvements and system optimization, completed by our tailor-made on board service – all under one roof. Even after 2,500 Tank Content Measurement Systems installed, the passion for technology is still unbroken and with the full technical control over its portfolio Hoppe Marine remains dedicated to quality, accuracy and reliability.