

With state-of-the-art technology we bring efficiency to our customers

API Marine is a house of competence, where development, design and production processes are united in unique solutions for advanced tank control. Entire liquid cargo control systems can be supplied - from sensors in the tank and operators' stations to the calculation software, all fulfilling IMO requirements. API Marine is certified according to ISO 9001 and our products carry the ATEX PQAN approval.

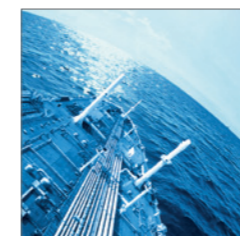
We set new standards for tank measuring technology by bringing proven measurement technologies of the 21 century into use on tank installations within marine and industry. The unique state-of-the-art patented methods provide an outstanding level of accuracy and reliability in tank measurements providing onboard safety and efficiency.

The world's first gas carrier being build in accordance with the IMO Green Passport will have API Marine tank technology onboard. Also tankers being build for operations in arctic areas will carry our solutions designed for operations in any type of liquid and at any temperature.

We want to contribute to our customer's profitability supplying high quality products, excellent service and state-of-the-art high-tech solutions, where reliability and durability are key-words!



API Ultrasonic Tank Switch UTS™



02.08.2010



Reliability at all times

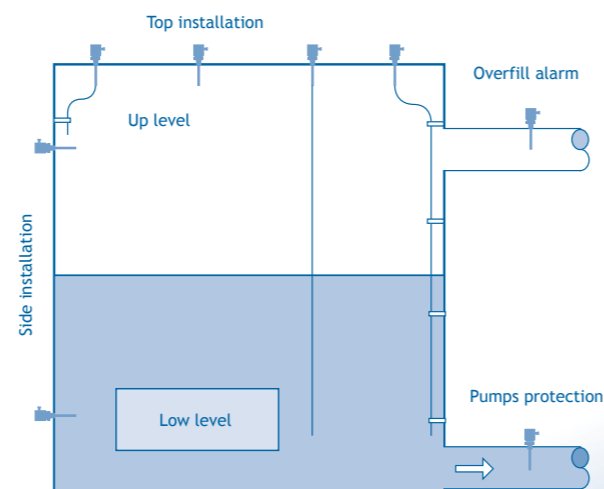
Designed for the harsh environment in tank installations onboard or ashore, the API UTS™ sensor provides the correct data for constant liquid level control including indication of the top and bottom levels as well as monitoring of pumps. Protection of pumps as well as prevention of spillage is obtained with a high level of efficiency. Due to modern technology the API UTS™ can operate and provide accurate measurements in any liquid, in extreme temperatures and in any shape of tank.

Fits all tank installations

Easy to design variants of the API UTS™ means easy adjustments of the product according to customer specifications. The API UTS™ is thus highly suitable both as stand-alone on the replacement market or as part of a complete API TSS/Cargo control system.

API UTS™ Features

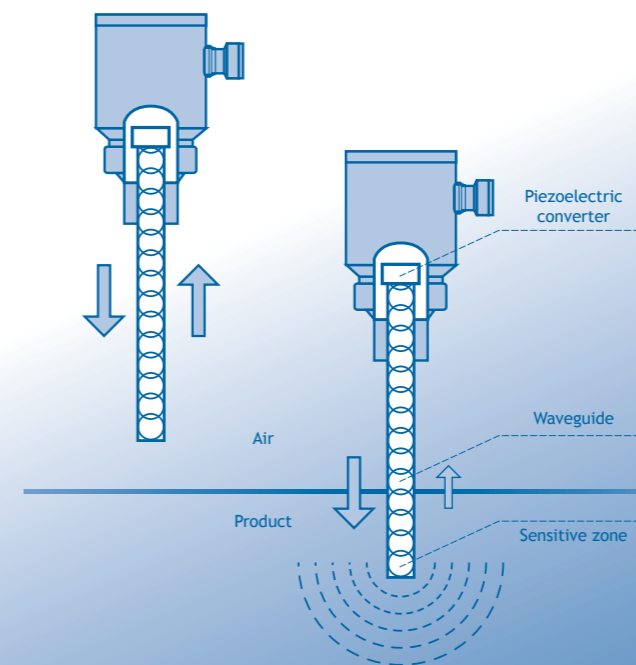
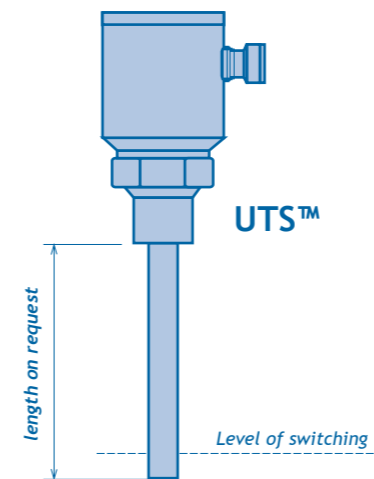
- Easy installation
- No moving parts
- No maintenance
- Automatic self test
- No calibration needed
- Intrinsically safe
- Adjustable alarm points
- Non-sensitive to foam
- Only steel rod inside the tank
- More than 300 modifications



State-of-the-art technology

Built on patented acoustic wave technology the API UTS™ has a level of accuracy and reliability never seen before. The technology ensures the accuracy of measurement regardless of shape of tank, type of liquid and temperature.

The API UTS™ is installed outside the tank with only the metal rod inside the tank. Acoustic waves in the metal rod created by piezo-electric transducer ensure the transmission of signals. When the liquid in the tank reaches the probe on the rod, the emission of sound waves is muffled. This change is picked up by the piezo-electric transducer and signals are transmitted to the corresponding alarms. Having only the metal rod inside the tank and no mechanical or moving parts means no maintenance is required.



Specifications:

Length: 25mm / 112mm / or any on request

Material: Stainless steel or hasteloy

Input: 18 to 30 V DC

Output: 6-13 mA current loop or relay

Intrinsically safe: EEx ia IIC T6

Operating temperatures: Ambient -55°C to +85°C / Product -200°C to +450°C

Pressure: up to 200 bar