

# Tank Gauging Systems

- Continuous tank contents measurement
- High and low level alarm functionality
- Ballast, cargo, fuel oil, service & mud tanks
- Series 500 liquid level transmitters
- Touch Screen Panel PCs & Panel Printers
- Level and volume bar graph indication
- Trim & list correction, draught measurement
- LRS marine approval



## Overview

The system measures continuously the level, volume and temperature of the contents of ballast water, fresh water, cargo, fuel oil, bilge and mud tanks. Additionally, the vessel's draught can be measured. High and low alarms can also be set.

Series 500 electronic liquid level transmitters ensure precise tank content and draught readings. Zener barriers are applied when connecting transmitters installed in hazardous areas. A dual axis inclinometer is used to determine trim and list.

The transmitter and inclinometer digital outputs are fed directly into a Windows XP touch screen panel PC. The tank contents data is corrected for trim and list and displayed in a digital bar graph format as well as numerically, along with the tank capacity and content's specific gravity.

The user friendly touch screen panel PC enables easy switching between screens. Up to 8 tanks can be displayed per screen. The total number of tanks and screens is unlimited.

## Specifications

### Touch Screen Panel PC:

<b>Power Supply</b>	90-250V AC or 24V DC
<b>LCD Size</b>	15" or 17"
<b>Operating System</b>	Windows XP
<b>Operating Temperature</b>	0°C...50°C
<b>Storage Temperature</b>	-20°C...60°C
<b>Dimensions</b>	410(W) x 309(H) x 110(D) mm
<b>Weight</b>	12kg
<b>Protection Class</b>	IP65

**Series 500 Transmitters** See Series 500 Data Sheet

## Typical System Configuration

