Tank Gauging System

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 & ABS marine approval

Overview

The system measures continuously the level and volume of tank contents for virtually any liquid. Additionally, the vessel’s draught can be measured. High and low alarms can also be transmitted to an Alarm Monitoring System (via RS485).

Series 500 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 based 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 20 tanks can be displayed per screen. The total number of tanks and screens is unlimited.

Specifications

Touch Screen Panel PC:
- Power Supply: 90-250V AC or 24V DC
- LCD Size: 17”
- Operating System: Windows XP
- Operating Temperature: 0°C…50°C
- Storage Temperature: -20°C…60°C
- Dimensions: 435(W) x 385(H) x 95(D) mm
- Weight: 15kg
- Protection Class: IP65

Series 500 Transmitters See Series 500 Data Sheet

Typical System Configuration

Liquid Level Systems Limited
82 Sea Avenue, Rustington, West Sussex, BN16 2DL, UK
Tel: +44 (0)207 193 7523, Fax: +44 (0)207 691 7621
Email: sales@liquidlevelsystems.com
www.liquidlevelsystems.com

TGS Data Sheet (10/2013)