

# SAVE OPEX SAVE EARTH

## TTLGS

(TECHCROSS TANK LEVEL GAUGING SYSTEM)



# Reducing your ship crew's workload with onsite measurement and calibration :

Techcross can help your technicians to access the transmitter remotely by deck crew to check Tank Level Gauging System's accuracy and even calibration onsite to reduce time for the troubleshooting of level gauging measurement.

Line-up of Techcross Tank Level Gauging System (TTLGS) with the high-quality and accurate marine tank level gauging.



**PNL**  
(Pure Pneumatic type)



**ENL**  
(Electro Pneumatic type)



**EPL**  
(Electric Pressure type)

## Now your crew can compare tank level gauging measurement with sounding value and calibrate onsite with HHT. Trouble-free and accurate tank level readings can reduce operational costs. Retrofit outdated level measurement equipment with TTLGS EPL transmitter. :

On board ship, it is very important to keep the updated record of the quantity of liquids (in all forms) present in various tanks. One cannot entirely depend on the automation or mechanical devices. Manual sounding is taken by ship's staff on a daily basis since it is very crucial for ensuring the stability of the vessel. The fact that the ship's stability is dependent on the total ballast being carried, makes a deck crew realize the high level of responsibility given to him.

### Simple configuration & installation



TTLGS Transmitter seldom needs recalibration, but when it does it is very simple to conduct. The deck crew can configure it onsite, using the HHT (Hand Held Terminal, RS485), portable checking and calibration device.



### Accuracy for compliance & compatibility

If one transmitter suffers from malfunction, it is easy and cost-effective as the other transmitter can be fit for any tank application on board. The transmitter can be adjusted by HHT onsite.

### Enhanced durability using ceramic transducer



Passed rigorous testing with reliable results and reinforced corrosion resistance using capacitive ceramic sensor.



### Integration to BWMS Monitoring System

The electrical output signal (4~20mA) of TTLGS can be connected to analog / digital type indicators or integrated Techcross BWMS monitoring system.

**HHT (Hand Held Terminal) communication protocol** enables onsite checking comparison with sounding result and calibration by deck crew.

#### Technical Specification

- Output : RS-485(Transmitter ↔ HHT)
- Display : 128 x 64 Graphic LCD(Back Light)

#### Function

- Liquid level display(incl. process value)
- Specific gravity setting
- Zero/span setting
- Damping time setting





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