DESIGN TO DEVELOP BUILD THE PROTOTYPE OF LIQUID MONITORING AT DYNAMIC MEDIUM

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Abstract

Conventionally sounding is a method to meassuring fuel volume on the vessel where the number of fuel can be determined by using a roll meter with a bronze mass in the end of them. According sounding table (a fuel volume table for several level with a regular interval) the officer can determine the amount of fuel by comparing the data from the level measurement. In fact, polemic between ship owner or Shipping Agencies with Marine Personnel (Ship Operator) on the subject of bunker fuel quantity in regulary being something that complicated.. In addition, the conventional measurement of fuel volume often uneffective, the sounding officer need to looking out the ship to calculate the trim of the ship.

To justify and prevent the difficulty being complicated we make a device that construct optimum posibility by a simple way which is engineered to improve the precisions of fuel level gauging/ volume measurement, where the number of fuel is automatically displayed on LCD, and the data will be processed by a microcontroller to operate transfer pump automatically. The Computer will save the number of volume that’s transferred to service tank (just authorized personnel only can accessing and reset the data;by a simple way) the computation of the volume will be compared with the fuel lastest volume after transferring.