



# Series APS 1000 : Diesel Issue & Receipt Monitoring System

For Genset Power House, BMS Systems Engine Test Facilities, Engineering & Automotive Industries










## Introduction

The Diesel Monitoring System is a complete turnkey solution for diesel receipt and issue measurement, tank level monitoring and pump control, data recording and transmission to customer BMS systems or monitoring in Fluidyne 'Fuel Log' PC Based SCADA System. All the crucial components used for precise measurement, data logging, control function and data transmission are designed and manufactured by Fluidyne ensuring the customer the highest level of accuracy reliability, and single vendor responsibility with includes installation, cabling, commissioning, documentation and training of system operators.

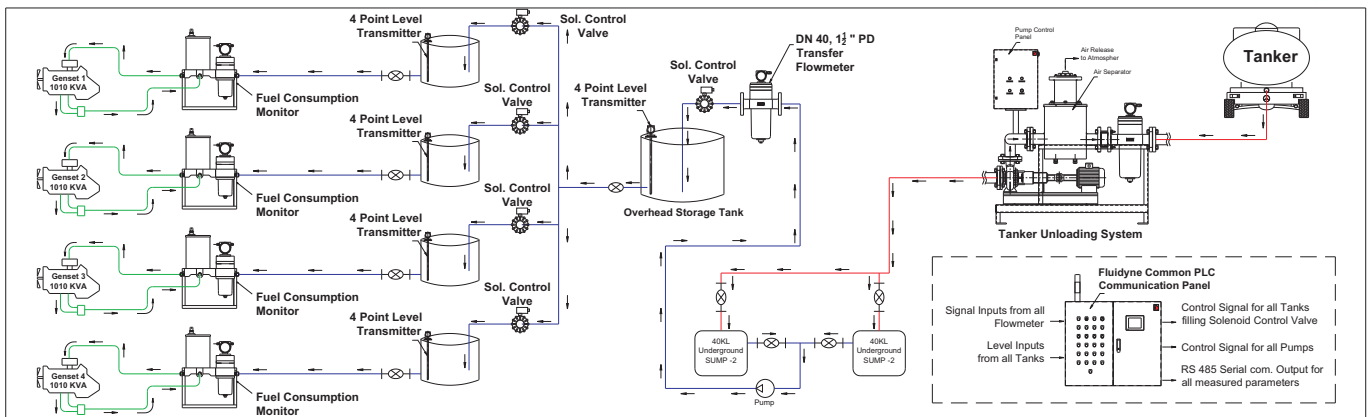
## Design Features

- Accurate Measurement of Diesel Tankers receipts to Underground and Aboveground Tanks within  $\pm 0.5\%$  of reading.
- Accurate Measurement of Diesel transfer to Overhead Tanks within  $\pm 0.5\%$  of reading.
- Automatic Pump control of customer transfer pump for Diesel transfer.
- Precision Four Point Level control of Transfer Tank with Zero Overflow features.
- Four Separate models of Fuel Consumption Monitors for net fuel measurement of engine from 15 KVA. to 3000 KVA.
- Single Common PLC Control Panel for all Flow measurements, level and pump control functions.
- One Single Communication Rs485 MODBUS Serial Output for all logged data to Customers BMS.
- Optional Fluidyne "Fuel Log" SCADA package for end to end solution in Customer P.C.

## Component Assemblies

- Tanker Unloading System : Make - Fluidyne. 
- Transfer P.D. Flowmeter : Make - Fluidyne. 
- Fuel Consumption Monitor : Make - Fluidyne. 
- PLC / MMI Control Panel : Make - Fluidyne. 
- 'Fuel Log' SCADA Based Software : Make - Fluidyne. 
- Diesel Dispenser : Make - Fluidyne. 
- Smart Liquid Storage Tanks : Make - Fluidyne. 
- Tank Level Measurement Transmitter : Make - Shridhan. 
- Liquid Solenoid Control Valve : Make - Avcon. 

## Typical Installation Drawing.



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