



UTGS Undrground Tank Gauging System For Retail Outlets/Forecourts

UTG System

UTGS Liquid Inventory Management System is a complete Stand-alone Solution for underground Non-Pressurized storage tanks at Retail Outlets or Forecourts.

The system uses Digital Level Sensor type 134TM - Magnetostrictive PetroQuant 134-PQT as Remote Indicator. Level sensors measure the Level, Interface Level and Temperature of the product in the tanks. All the probes are daisy-chained, making the cabling simple and economical.

The Remote Indicator Unit 134-PQT collects Level, Interface Level and Temperature data from Magnetostrictive Level Sensor. Up to 8 Sensors can be connected to one 134-PQT. 134-PQT stores the vessel strapping tables and the ASTM volume reduction tables. The entry of density of product @ 15°C may be entered manually. On receipt of data from all tanks, 134-PQT computes the observed volume. Temperature compensated volumes are also available.

The Intelligent Dispenser Interface Module incorporated in 134-PQT collects and stores all relevant product dispensing information including the products dispensed by each fuelling station. Data is collected automatically eliminating manual calculations for reconciling Inventory.

The system does not require external computer or software for carrying out calculations or compilation of reports. All necessary software and hardware is built in to the Remote Indicator Unit. The Embedded software gives the total stock and other reports. In tank inventory, deliveries, system alarms available on **Graphical LCD Display (180W X 65 H(mm))**.

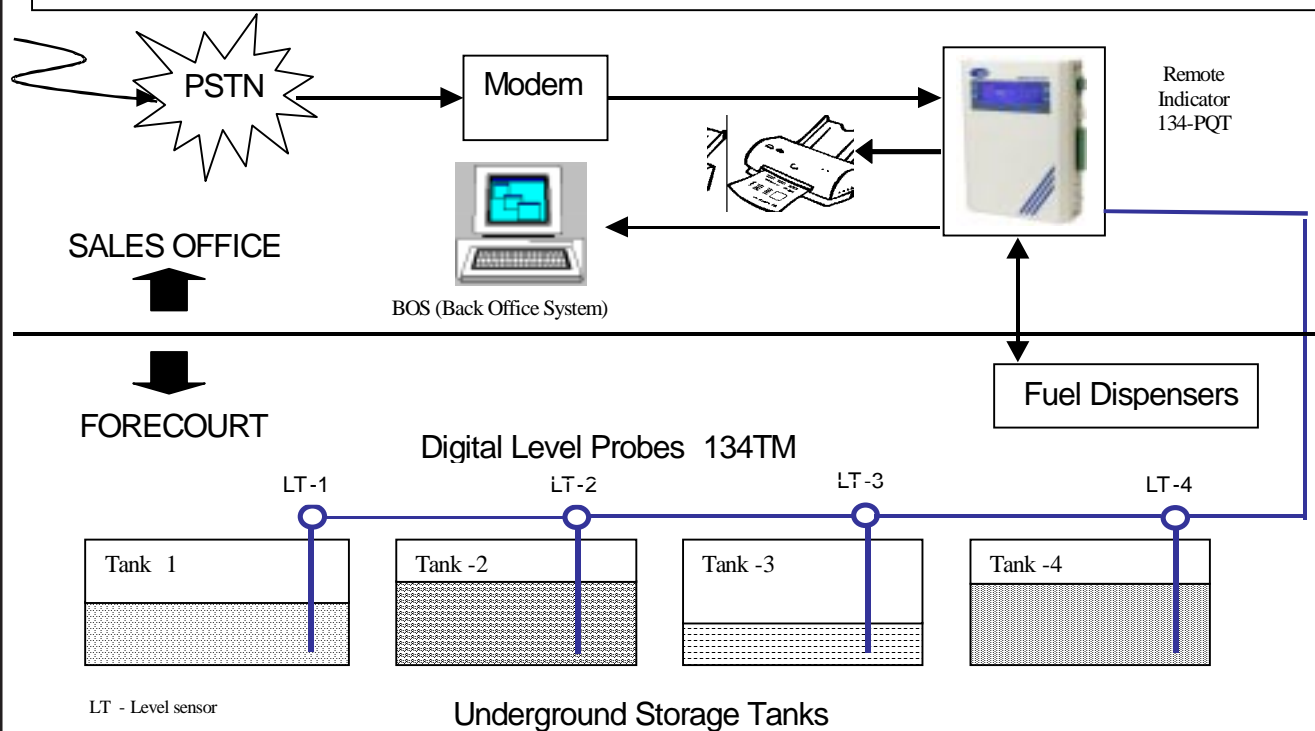
Various Reports like Shift Inventory Report, Business Inventory Report (BIR), Present and Previous Record of Deliveries, Daily Average Sales, Balance Inventory Warning, Level, Temperature, Gross Volume etc. are displayed on 134-PQ. A hard copy can be obtained on external 80 column serial printer.



Features & Benefits

- Graphical User Friendly Display & One key press Operations
- Instantaneous, On-Line, hard-copy Inventory Reports
- Data of 3 Shifts – Automatically Logged
- Previous 62 days Data Storage
- 2 Deliveries per day per tank permitted
- Automatic Leak Alarm
- Built-in Intelligent Dispenser Interface to Log Metered Sales
- Business Inventory Report
- Temperature compensated volume @15°C available
- Retrofit System – for installation on new as well as existing installations
- Simple and quick installation
- Single Source for all items
- All safety compliances met

UTGS UNDERGROUND TANK GAUGING SYSTEM FOR RETAIL OUTLETS / FORECOURTS



Inventory Report	
Dt: 15.03.2002 Time: 0800 hrs	
	Tank-1 Unleaded Gasoline
Product Vol.(Ltr)	32244
Ullage(Ltr)	5610
90% Ullage(Ltr)	1825
TC Volume(Ltr)	32146
Product level (mm)	1937
Water Volume (Ltr)	0
Water Level (mm)	0
Temperature Deg C	22.5

In-Tank Inventory Report

Periodic Reconciliation Report						Tank 1 - Unleaded Gasoline			
Date: 9th January 2002						Time: 0800 hrs			
Date	Time	Opening Volume (Liters)	Delivery (Liters)	Metered Sales (Liters)	Manual Adjust. (Liters)	Calc'd Inventory (Liters)	Physical Inventory (Liters)	Water Height (mm)	Variance
01.12.2001	1730	8600	0	1000	0	7600	7598	50	-2
03.12.2001	1730	7598	0	1110	0	6488	6484	50	-4
04.12.2001	1730	6484	5225	1340	0	10369	10368	56	-1
05.12.2002	1730	10368	0	890	0	9478	9478	56	0
06.12.2001	1730	9478	0	741	0	8737	8740	56	3
07.12.2001	1730	8740	2500	1290	0	9950	9948	69	-2
08.12.2001	1730	9948	0	1250	0	8698	8696	69	-2

Business Inventory Report

***Continuous developments may necessitate changes without notice

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