




AMR (AUTOMATIC METER READING)

Automatic meter reading or AMR is the technology of automatically collecting consumption, and status data from Gas & Energy metering devices and transferring that data to a central database for billing troubleshooting and analyzing. This advance mainly saves utility providers the expense of periodic trips to each physical location to read ammeter. Another advantage is billing can be based on near real time consumption rather than on estimates based on previous or predicted consumption. This timely information coupled with analysis, can help both utility providers and customers better control the use and production of consumption.

SMART PNG

-  Refurbishment of existing meters.
-  Installation of New Smart meters
-  Establishing Data Logging From Commercial industrial Gas Meters.

PNG SMART METER/DOMESTIC GAS METER



A green ECG (heart rate) line graphic that spans the width of the page. It features a prominent peak above the text and a corresponding dip below the text, framing the central text.

**AUTOMATING INDUSTRIAL AND
COMMERCIAL GAS METERS**

Types of GCL



GCL-A



GCL-B



GCL-C

GCL-A Connection






GCL-B Connection



GCL-C Connection



EXPLANATION

-  Wireless networking is a method by which homes, telecommunication networks and business installations avoid the costly process of introducing cables into a field, or as a connection between various equipment locations.
-  By using GSM network we transmit Real time or configurable time GAS Consumption data to the server .
-  Engineered for accurate gas consumption metering using “GCL” Device calculate desired parameter (Temperature, Pressure and Pulsar or unit detector).

- 📄 “GCL” Device capture the three major parameters of gas.
- ✓ Real time Pulse or unit
- ✓ Temperature
- ✓ Pressure
- 📄 No need to charge or provide power supply .
- 📄 Battery is inbuilt in GCL device that provide power to controller for long duration.
- 📄 GCL device captures the data and transmits to client ,whenever the client wants to receive.
- 📄 Client will access the data from server via AMR software and also analyze the gas consumption report.


GAS CONSUMPTION DATA LOGGER(GCL)

- 📱 GCL is a smart small device can be installed near existing gas meter.
- 📱 Three major inlet ports required for GCL
 - 📶 Pulse for measurement
 - 📶 Temperature for compensation
 - 📶 Pressure for calculation
- 📱 GCL is a GSM Device
- 📱 Before transmitting data, GCL stores data into memory.
- 📱 Transmits the data to server whenever client want i.e.
 - 🌐 Hourly
 - 🌐 Daily
 - 🌐 Weekly
 - 🌐 Monthly

SECURITY TO ACCESS

Automated Meter Reading (AMR) Home Configuration Setup

AUTOMATIC METER READING DATABASE SYSTEM



Login To Access

User Name

Password

Total Sales : 356 [47]

3:27 PM 7/30/2016

3:33 PM

EXPORT REPORT FORMAT

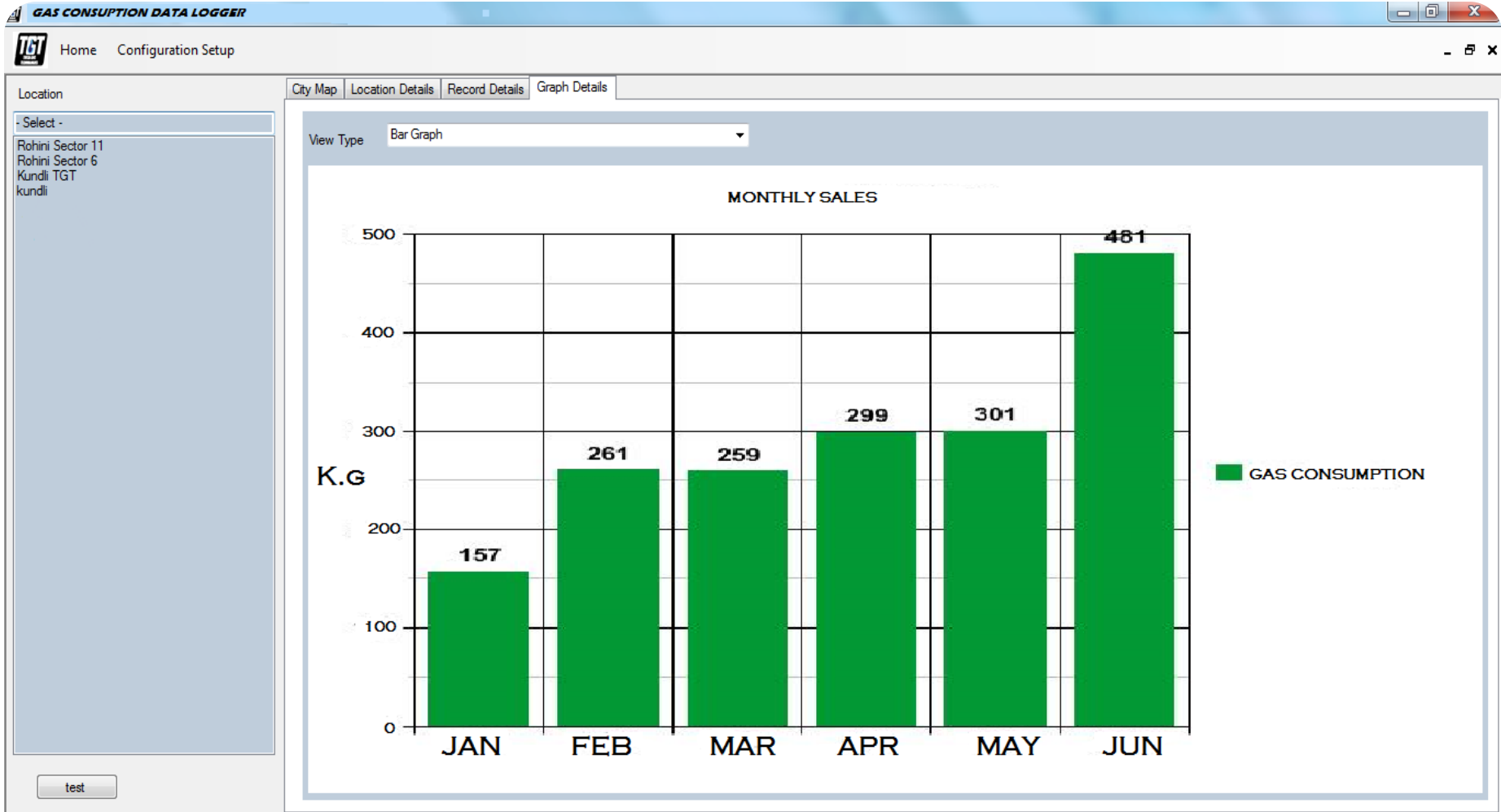
- User can download the report in different format(PDF, Excel and CSV) and save the file in any directory/drive in computer.
- User could use the report to send any authorized person via mail for production or any purpose .

The screenshot displays the 'GAS CONSUMPTION DATA LOGGER' application window. The interface includes a navigation menu with 'Home' and 'Configuration Setup'. The main area is divided into several sections:

- Location:** A dropdown menu showing 'Rohini Sector 11', 'Rohini Sector 6', 'Kundli TGT', 'Kundli', 'test 1', 'Del', and 'Del 4'.
- City Map:** A tab for location visualization.
- Record Details:** A table with columns: Record No, Location Id, Meter Reading, Date Time, and Station Name. The table shows records from 5/30/2016 to 7/30/2016. Record 466 is highlighted.
- Graph Details:** A 'Live View Bar Graph' showing consumption data over time, with a legend for 'live_view'.
- Alarm Details:** A section for alarm information.
- Reports:** A section containing three buttons: 'Export To PDF', 'Export To Excel', and 'Export To CSV'. These buttons are circled in red.

At the bottom, the 'Logged In' status shows 'Total Sales : 356 [33]'. The Windows taskbar at the bottom indicates the system time as 3:31 PM on 7/30/2016.

MONTHLY SALES



DAILY SALES

