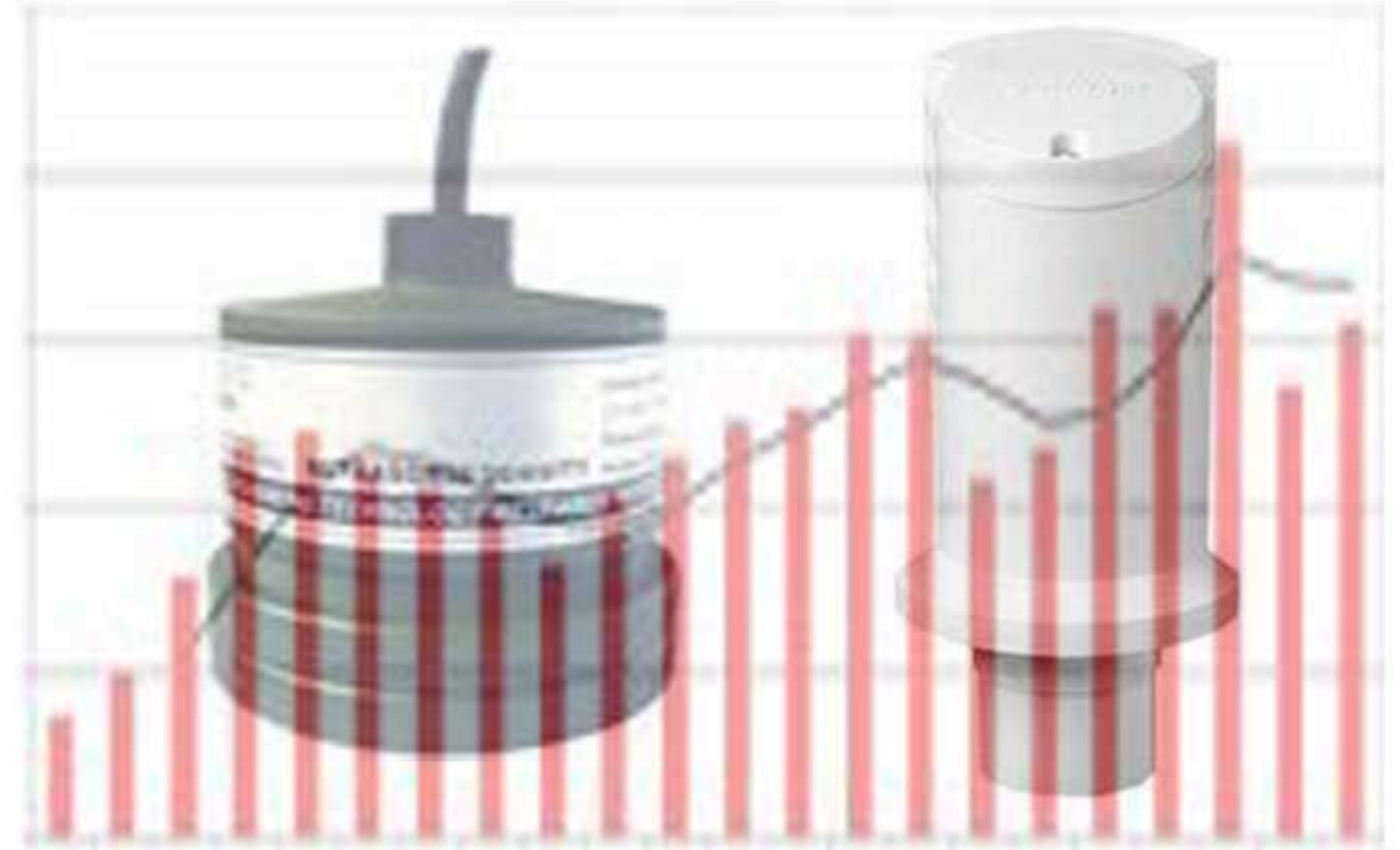


Fuel Monitoring System is designed for monitoring Fuel Level and Fuel Flow in diesel generator tanks. Equipped with accurate sensors, it can measure the corresponding fuel level and Fuel Flow in real time. live monitoring and alarm histories can be viewed locally or remotely. Monitoring at the head quarters can be done via GSM card or Ethernet connection. The use of highly developed ultrasonic level measurement system provides non-contacting level Measurement for a wide variety of applications for liquids. The unit, is Managed by the PMC and Monitored on PMC EMS Software



SYSTEM DESCRIPTION

- Unique design and user friendly telemetry equipment.
- Designed to minimize installation CAPEX and OPEX.
- Remote Management using Ethernet or GSM SIM.
- It will operate in any environmental condition.
- Provides highly Accurate Measurement;
- Transmitting Power;
- Display in Level for Diesel Fuel

- Tank level monitoring system
- Signal input for tank door
- Rapid installation
- Reliable data transceiver
- 4 general inputs as per customer request (oil, generator running time, generator door, any generator alarm dry contact)



Fuel Level & Flow Monitoring System

Key-Features

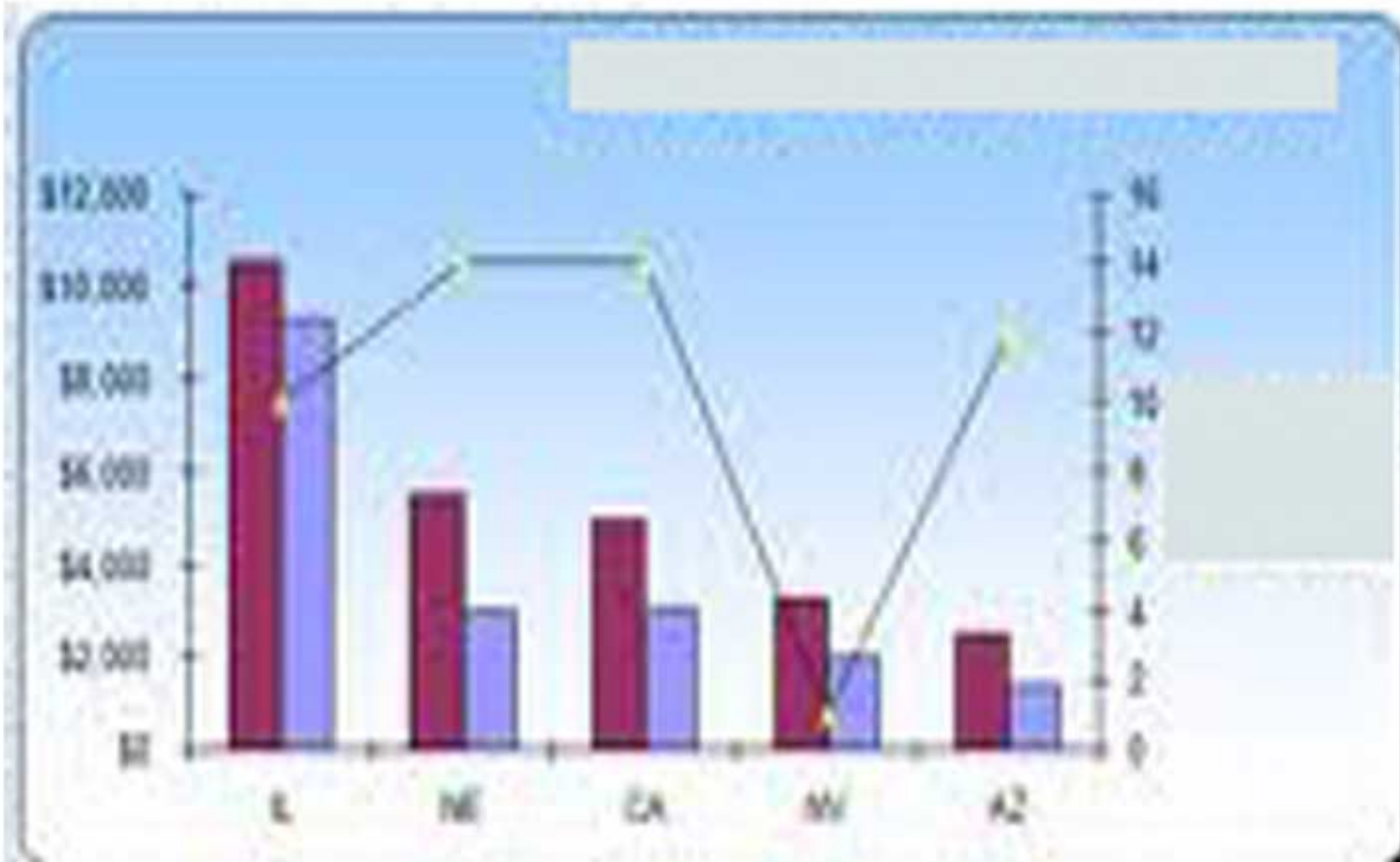
- Live Monitoring for Fuel Level (Per: Hour, Day, Month)
- Live Monitoring for Fuel Flow (Per: Hour, Day, Month)
- Sudden High Fuel Consumption alarm.
- Sudden high Flow Consumption alarm.
- Low Fuel Level alarm.
- Door Tank Intrusion alarm.

In case of any alarm, an SMS will be sent informing alarm status.(Via GSM Connection)



SYSTEM DESCRIPTION

- Unique design and user friendly telemetry equipment.
- Designed to minimize installation CAPEX and OPEX.
- Remote Management using GSM Data Connection.
- It will operate in any environmental condition.
- Provides highly Accurate Measurement;
- Display Fuel Flow Level
- Display in Level for Diesel Fuel
- Tank level monitoring system
- Signal input for tank door
- Rapid installation

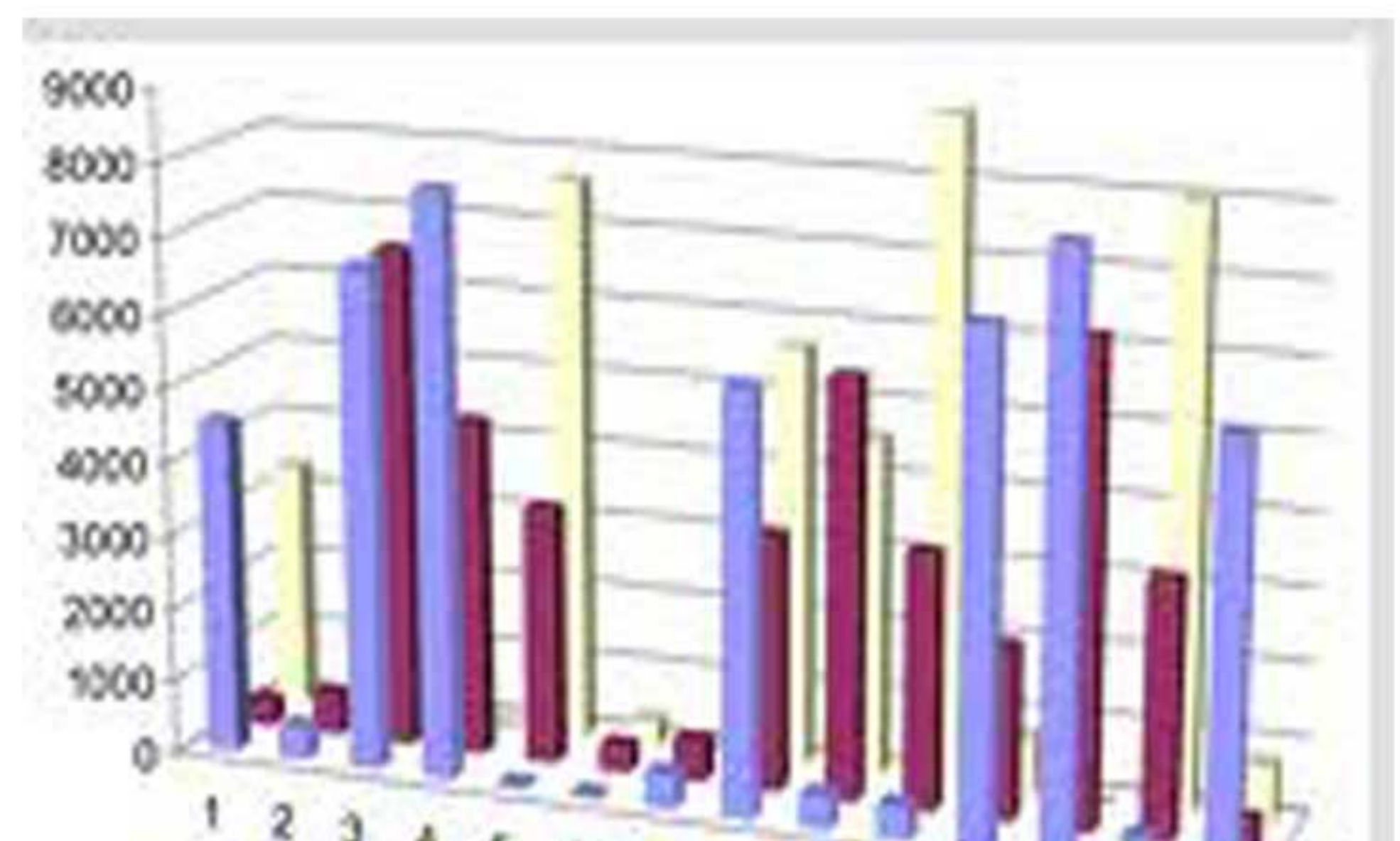


Live Graphical Monitoring for Fuel Level refer to Specific time interval selected Hourly, Daily and Monthly.

Live Fuel Level Monitoring reduces Fuel Theft and gives accurate Fuel Refilling which increase revenues.

Live Graphical Monitoring for Fuel Flow on Generators Fuel input pipes refer to Specific time interval selected Hourly, Daily and Monthly.

Live Fuel Flow Monitoring helps to detect Fuel Leakage and Premature Fuel Dry-Out which increase revenues.

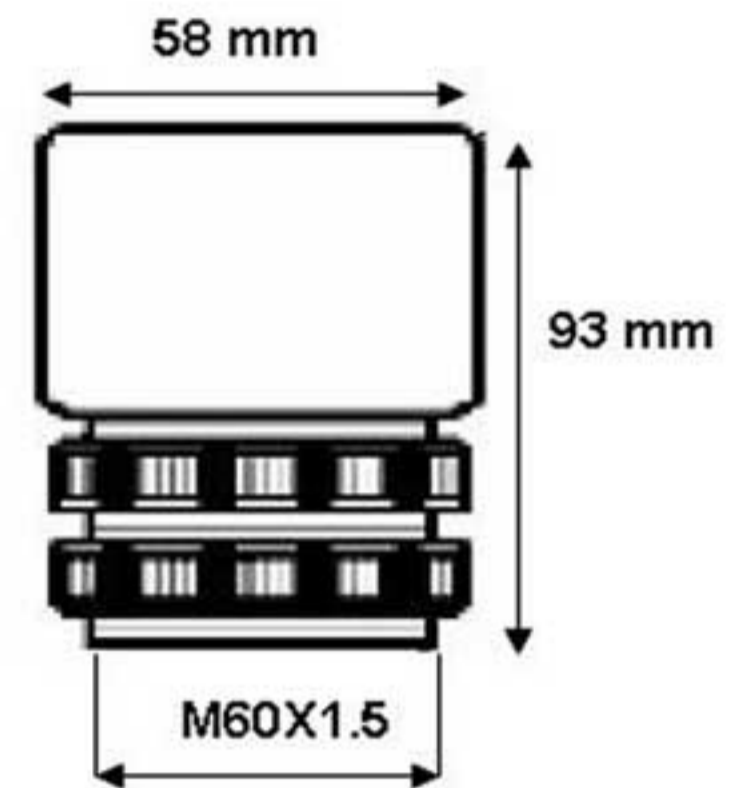


Technical Specifications

Fuel Level Sensor

Ultrasonic level transmitter with a sound signal industrial interfaces, in accordance with distance precision linear output:

- Voltage: 0~5V or 1~5V (default 0~5V)
- Current: 0~20mA or 4~20mA (default 4~20mA)
- Switch: 1~3 Switch (default 2 Switch)
- Interface: RS485, RS232, RS422 (default RS485)
- Max. range: 3m,5m,8m,10m, 12m, 15m (optional, larger range can be customized)
- Accuracy: 0.25-0.5%FS
- Blanking distance: less than 500 mm (it's up to the measuring range)
- Voltage: DC12V/24V (optional)
- Beam angle: 9°/15° (15° default)
- Installation: M60×1.5



Flow Meter Sensor

Flow Meter with lateral internal threaded connections. For mounting in horizontal, vertical or inclined positions:

- Nominal diameter: 1/8-1/4 inch
- Connection threads of meter: 1/8-1/4 inch
- Nominal pressure: 25-32 bar
- Temperature T_{max}: 60 ° C
- Maximum flow rate: 80-200 l/h
- Nominal flow rate: 50-135 l/h
- Minimal flow rate; 1-4 l/h
- Approx. starting flow rate: 0.4-1.6 l/h
- Max. permissible error: ±1 % of actual value
- Repeatability: ±0.2 %

