



CLEAR FUEL TECHNOLOGIES

Fuel Tank
Level Control

Remote Tank Level Monitoring

OUR REMOTE TANK MONITORING SYSTEM PROVIDES ACCURATE 'REAL TIME' INFORMATION OF THE CONTENTS OF ANY FUEL STORAGE TANK.

Alerts via your phone and email inform you of any change in levels immediately.
The alerts can be programmed to meet your specific requirements.
Alarm in the event of water introduced into the tank.

On top of the obvious security benefits, it's also a powerful and practical way to manage and control stocks of all liquids stored on farms, construction sites, storage facilities, onsite depots and generators.

Benefits

- View tank inventory levels no matter how remote anytime anywhere
- Eliminate product run outs and emergency delivery costs
- Keep employees safely on the ground and off the tanks improving inventory visibility
- Reduce cost of inventory management through online monitoring
- Real time alerts against theft
- Online User interface to view level movements
- High and Low level alarms via SMS, email and or a onsite horn
- Monitor fuel quality and detect poor fuel deliveries

Hardware Information

Our Data Logger is a low cost instrument for the measurement and recording of process control data. It can be programmed to record average, minimum, maximum, totals and event data over a set period of time. The onboard continuously charged battery provides backup during mains failure. The stored data is uploaded automatically via GPRS modem (this can be changed to Ethernet as well) and displayed on protected servers to be viewed by users.

TYPICAL INPUTS

- Flow and control
 - Pulse meter (0.5% accuracy)
- Pressure
- Temperature
- Tank Levelling
 - (0.25% accuracy)
- Remote Start - Stop
- Power Current measurement

SPECIFICATIONS of Module

- 8 Input channels
- 8 Output channels
- Sampling Period 1 Minute Minimum
- Memory 4 000 Data Points when signal drops
- Input 4-20 mA, Voltage Free Contact
- Supply Voltage 230 VAC or 12 VDC
- Temperature -20 to 80 Deg C
- Protection IP 65
- Communication – Ethernet to Wifi to GPRS
- GSM Frequency – 850/900/1800/1900Mhz

LEVEL SENSOR SPECIFICATIONS

Our Submersible level transmitter is designed for dealing with the most severe demanding level measurement conditions. The sensor adopts the most advanced micro-processor technology with comprehensive linear error compensation and temperature error compensation to assure the highest precision of measuring result.

The probe adopts full potting condensation-preventing technology, safe and reliable dual-seal design and fully welding technology with solid stainless steel body to assure long term stability and permanent air tightness. Signal transmitting module adopts transient voltage resistance protective circuits to assure operation regularly even under the harsh surge voltage environment. The seal of the cable adopts intensive cone plug sealing design to assure the long working life even under large mechanical load conditions during the installation and long-term use. LMP633 Submersible level transmitter is the optimal choice to satisfy all of high demand level measuring applications.

BENEFITS

- Easy installation
- Once off calibration
- Stable reading

TECHNICAL SPECIFICATIONS

- Measurement range - 0.1 m – 200m
- Accuracy – 0.25%
- Power supply – 5V
- Operating Temperature
- negative 30 – 80 C
- Protection – IP68

WATER SENSOR SPECIFICATIONS

ELECTRICAL

- Supply Voltage 10 – 32 V DC
- Supply Current Draw 10mA (max)
- Output (ground switching) 150mA (max)
- Output load dump 1 Joule (non repetitive)
- Transient Over Voltage Limits (supply) 100 V for 50
- mS max @ 10% Duty Ratio
- Response Time (to detect water) 1 Sec. (typical)
- Response Time (to detect no water) 5 Sec. (typical)



Water in Fuel
Contamination Sensor

ENVIRONMENTAL

- Operating Temperature of Probe +120* C (max)
- Operating Temperature of Body +80* C (max)
- Pressure Differential between Body and Probe 3 Bar (max)
- Protection of Electronics within the Body IP68
- Self Test On supplying Voltage, output indicates no water for 1 Sec. (typical)