THE IoT Oxygen Tank Level Monitor ADVANTAGE



"Enhancing **Oxygen Level** Monitoring in Hospitals the Role of

IoT in Improving Accuracy and Efficiency in Medical Supply Delivery."

Oxygen Gas REMOTE TELEMETRY

OF Oxygen Gas PRESSURE AND LEVELS

Oxygen Gas

TELEMONITORING

Healthcare and industries need continuous available it of medical oxygen and other gases for patient well ness survival, and critical manufacturing processes.

IoT Oxygen Tank Level Monitor by KeyLife Electronics offers a comprehensive remote telemetry system, a cloud-hosted solution for monitoring Oxygen Gas pressure and levels and consumption forecasting using a unique predictive IOT-based algorithm.

The current manual tank monitoring process is rot consistently followed and is hard to maintain the result is frantic emergency calls to the gas company, often in the middle of the night, requesting bulk gas delivery immediately.

It takes time for production and for delivery to arrive. The non-availability of gas may do irreparable harm or cause a loss of revenue.

Oxygen Level Status helps to monitor time-sensitive Oxygen gas efficiently and provides inventory and reorder alerts for the continuous availability of gas for customers' operations, timely and accurately under any climate.

IoT Oxygen KLX100- a cloud-based Oxygen Gas tank remote telemetry-based

monitoring solution, allows remote monitoring of Oxygen tank pressure and gas level

Seamless Connectivity: - Versatile options including WiFi, GSM, and Ethernet. Easy integration with existing systems via Modbus compatibility.

It is pre-configured and fully assembled, maki ng it easy to install, configure, and use A built-in based predictive algorithm forecasts consumption over the next few days.

What Do You Get

CRYOGENIC TANK MONITORING

Get 100% accurate data acquisition, monitor gas tanks

efficiently, we provide time-sensitive inventory and

reorder alerts.

TIMELY DELIVERIES

Eliminates the need for emergency phone call Is to the

supplier at odd hours. It is also cost-effective for the gas

tank supplier because hurried production and urgent last-

minute deliveries are more expensive.

IoT Technology

Utilizing IoT techniques for continuous

monitoring of oxygen levels in tanks, enabling real-time

and accurate data collection from anywhere.

Versatile Connectivity:

- Multiple options to connect to the internet ensuring reliable data transmission.

- Compatible with standard Modbus.

Robust and Reliable:

- Operates efficiently in a wide range of temperatures.

- Low power consumption for cost-effective operation.

Professional Integration:

- Supports remote monitoring and management.

- Supports GIF

Enhanced Prediction

Leveraging advanced data and analytics

to improve the hospital's ability to predict

future oxygen needs and proactively

supply them.

Automatic Alerts

IoT technology enables the automatic

sending of alerts in case of oxygen level

drops, enhancing immediate response and

avoiding intervention delays.

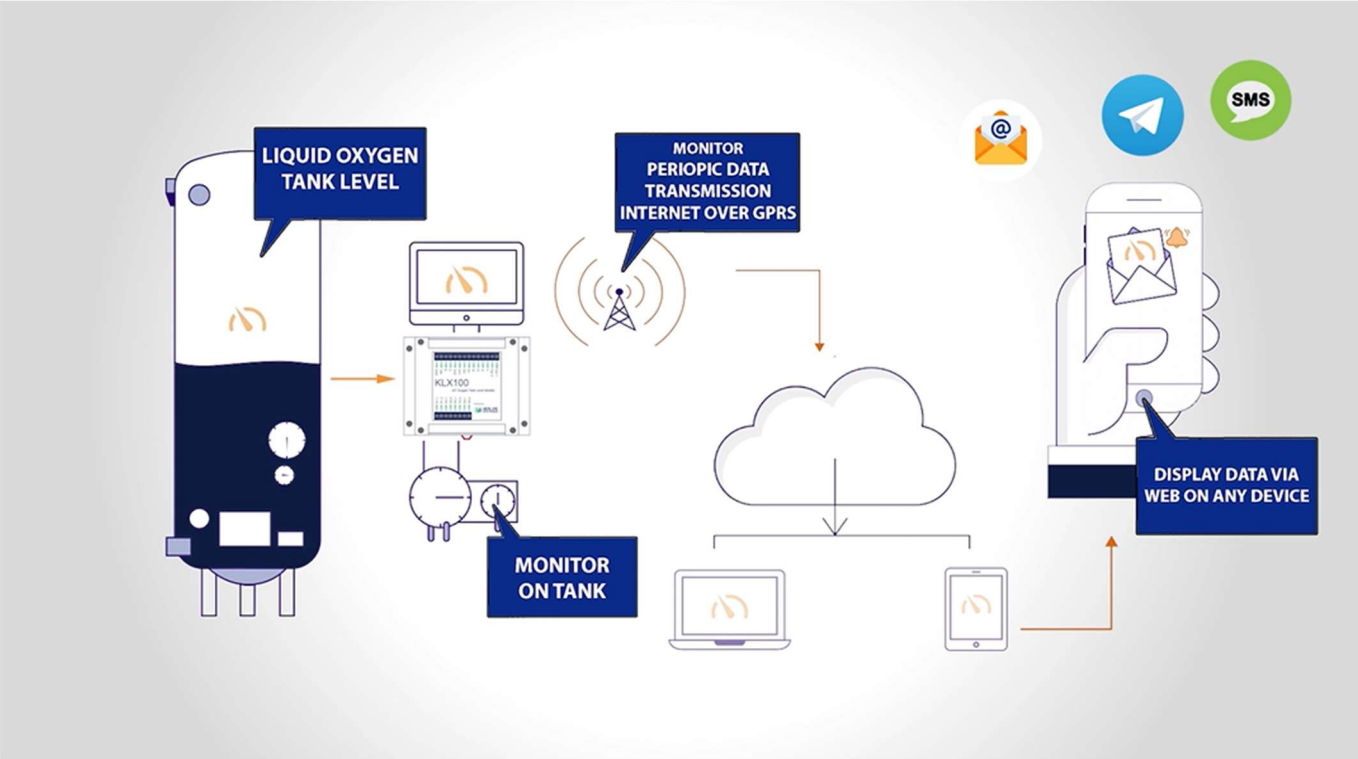
Siren - Optional 🚨

Remotely Monitor Medical Oxygen Tank

IoT Oxygen Tank Level Monitor Solution powered with Most

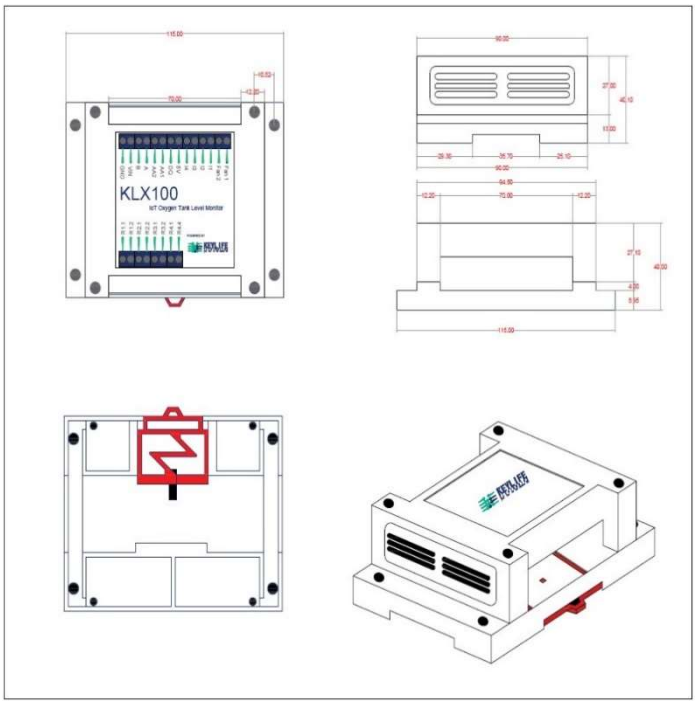
Advanced Control & Telemetry System.

HOW ITWORKS

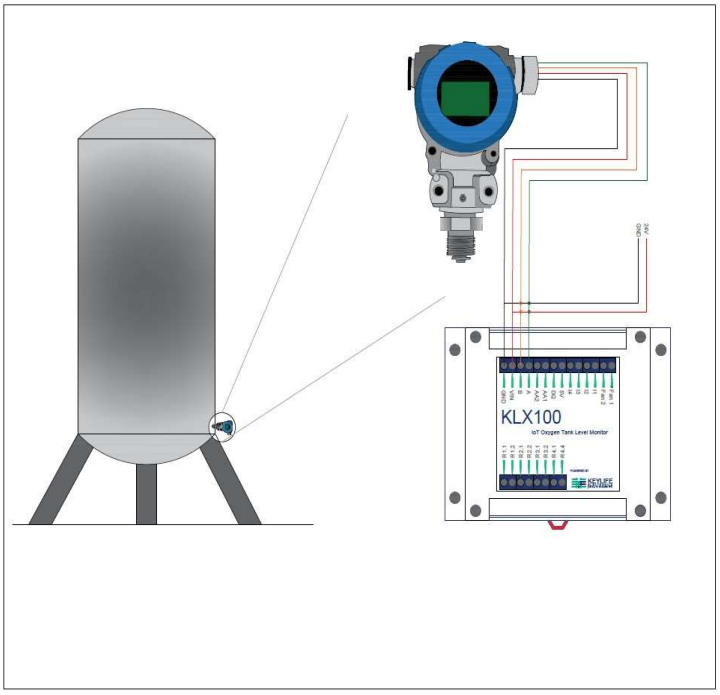


1. Each data acquisition device has a unique identification code and periodically transmits the digital data using GPRS technology to the cloud-hosted server.
2. The data stream received is recorded and analyzed against a preset custom configuration.
3. In addition, the system initiates threshold alerts via email\SMS\ Telegram Bot, Push Notifications for pressure, level, communication, power failure, and temperature.

IOT Devices - Deamination



Installation Manual



Applications

- Medical facilities
- Industrial oxygen storage
- Emergency services
- Laboratory environments

5 Technical Specifications

Specification

Working Voltage 12-24V	Consumption Current 0.5A	Working Temperature -10°C to 50°C

Features

User Notifications:

- Instant notifications through various channels to ensure timely response.
- Customizable notification settings to suit user preferences.

Real-Time Monitoring:

- Continuous measurement of oxygen levels.
- Immediate alerts for any abnormalities or critical

Versatile Connectivity:

- Multiple options to connect to the internet ensuring reliable data transmission.
- Compatible with standard Modbus digital gauges.

Robust and Reliable:

- Operates efficiently in a wide range of temperatures.
- Low power consumption for cost-effective operation.

Professional Integration:

- Easy integration with existing systems.
- Supports remote monitoring and management.

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