

A stylized teal graphic consisting of two overlapping, wavy, leaf-like shapes that curve upwards and to the right, positioned on the left side of the page.

SMART POOL

KernelSphere

A large, dark blue wavy graphic that spans across the bottom half of the page, resembling a stylized wave or a pool of water.A cluster of light blue bubbles of various sizes, located in the bottom right corner of the page, appearing to rise from the dark blue wavy graphic.

Pool Monitoring

The Smart Pool Monitoring System enables you to know about the status of the swimming pool. The chemicals in the pool should be maintained at an optimum level to avoid skin irritations. This system notifies the pool chemical levels to the mobile phone through an app and suggests the required action to be taken according to the chemical levels of the pool.

This Device works with both GSM and Lora WAN Network (which gives ultra-low power consumption and provides long range coverage). Its monitoring application can be visualized and analyzed in the secured web application dashboard and mobile app. It gives Continuous live data monitoring of pool parameters pH, free chlorine and Temperature.

Features of Smart -Pool

- 24/7 monitoring of your pool's vitals (pH, Chlorine and Temperature) at finger prints.
- Measure the exact dosage of products to keep your pool clean and safe without the over use of harsh chemicals.
- Accurate sensors and reliable readings
- Notifies Under Chloride and Excess Chlorine
- Check on your pool from anywhere and receive SMS/email/voice alerts on your smart phone.
- Avoid diseases due to excess chlorine

Specifications

Wireless Frequency Band	865 ISM for LoRa.
Communication	LoRa data transmission network and GSM.
Operating Voltage	Solar powered, no charging needed ever
Receive Sensitivity	-136 dBm typ.
Transmission frequency	60 seconds
Number of Channel	Configurable 8 channels (SKU-EU)
Transmit Power	+20 dBm
Antenna Type	Internal antennas
Modulation	Based on IEEE 802.15.4g
Protection Requirements	IP67