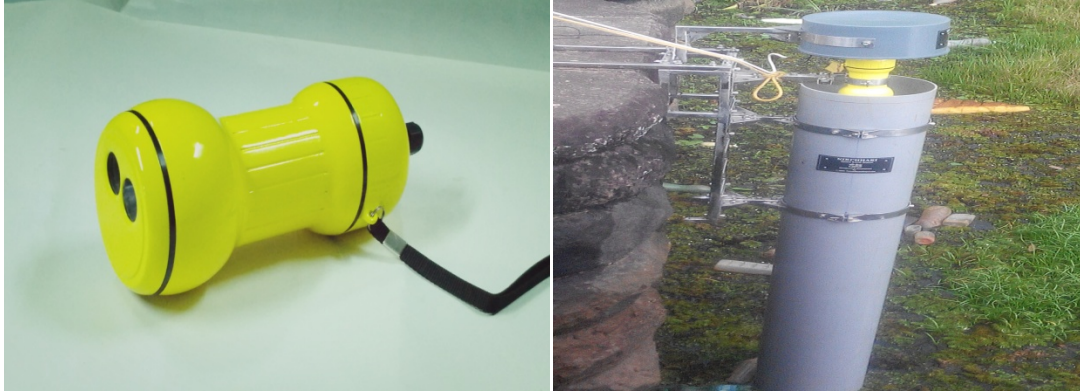


NIRCHAARI

(Ultrasonic Level Sensor)



NIRCHAARI is a sensor solution for remote level monitoring applications such as underground city **sewers**, unattended **diesel tanks** at remote sites, **rivers**, waterways / water reservoirs, **irrigation channels** etc. The sensor measures and communicates periodic data from each site for long term and on-line monitoring. The sensor also transmits immediate alerts for events such as river flood alert, sewer overflow conditions, empty or full diesel tank. Alerts are also available for low power supply in sewer applications etc. The level sensor module is IP68 compatible and is made up of ABS and is suitable for using in chemically aggressive environments.

Specifications

Measurement Method	: Ultrasonic pulse echo
Measurement Range	: 60cm – 6meters
Measurement Accuracy	: ±6mm /1% of Range
Measured Parameters	: Distance, Level
Communication Interface	: GPRS messages over GSM
Sensor	: Ultrasonic transducer
Frequency	: 40KHz
Power	: Li-Ion Battery (3000mAh)
Operating Temperature	: 0°C to 70°C
Enclosure material	: ABS
Enclosure	: IP68 compatible