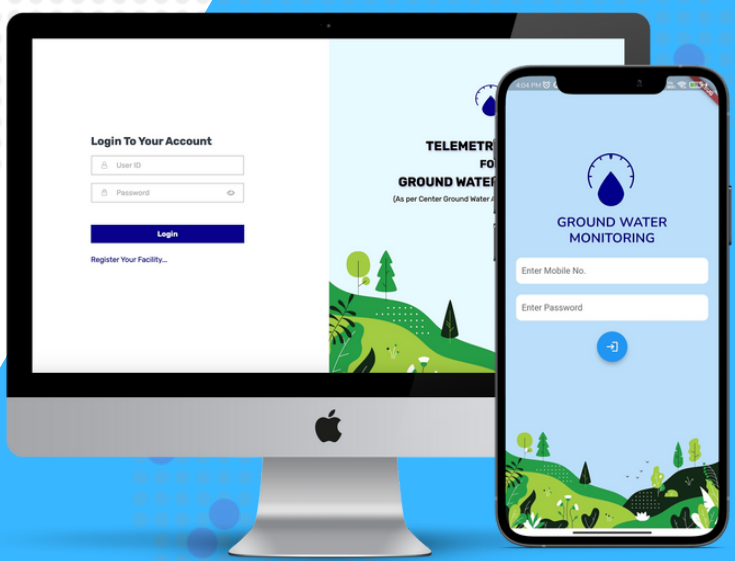
OSTRON ELECTRONICS

TELEMETRY SYSTEM FOR GROUND WATER MONITORING

(As per Central Ground Water Authority (CGWA) Guidelines)



OSTRON ELECTRONICS PRIVATE LIMITED

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OSTRON ELECTRONICS OFFERS TELEMETRY SYSTEM FOR GROUND WATER MONITORING

(AS PER CENTRAL GROUND WATER AUTHORITY (CGWA) GUIDELINES)

As per Notification of the Ministry OF JAL SHAKTi (Department Of Water Resources, River Development And Ganga Rejuvenation) New Delhi, the 24th September, 2020 "All the project proponents (drawing ground water more than 10 cum/d) have to mandatorily construct Piezometers (observation wells) within their premises for monitoring of the ground water levels. Such a mechanism of compliance conditions has been made to ensure that every month the ground water level in the project area can be monitored and observed"

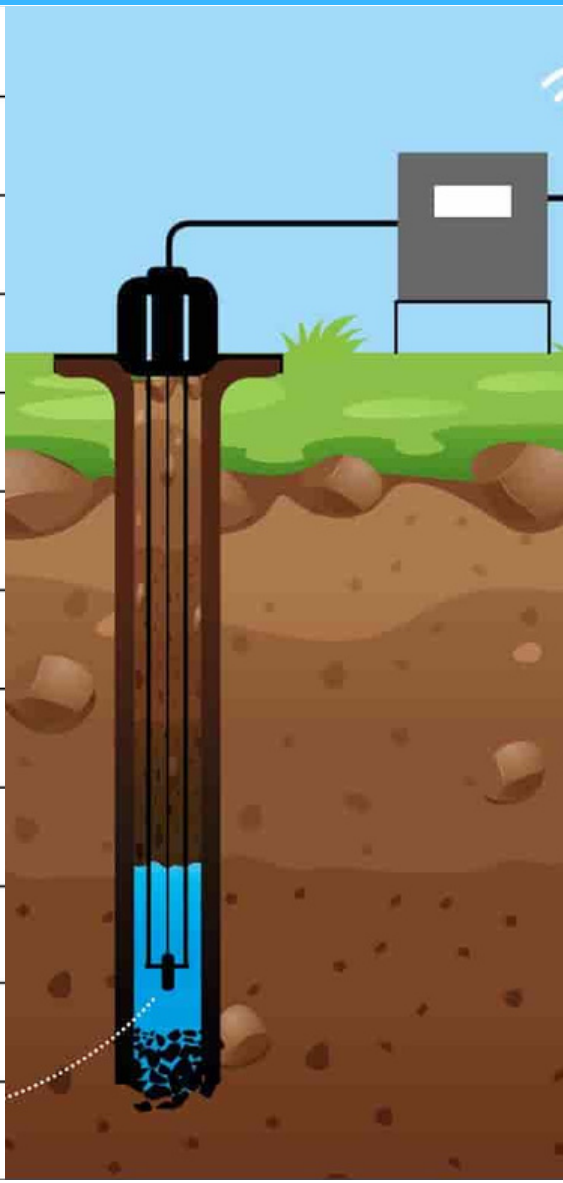
Ostron Telemetry groundwater monitoring system is used for the measurement of water level in boreholes using Vibrating wire Piezometer sensors with different data transmission and downloading options. The recorded data like water level, Temperature, and location is transmitted via the GSM network to the mobile App and also on the Admin Panel of the computer dashboard.

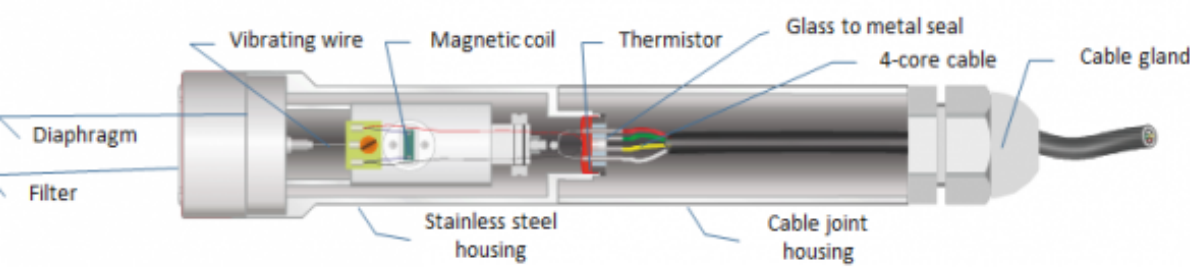
PRODUCT DETAIL

- Vibrating Wire Piezometer sensors
- Standard 4 Core wire with connector
- Datalogger for reading of the data from Piezometer sensors
- GSM Module for Telemetry system
- Mobile Application (Android / IOS Platform)
- admin login ID access password from anywhere in the world over
- the internet.
- Easy operation.
- High accuracy and resolution.
- Very Portable to carry and Transport.

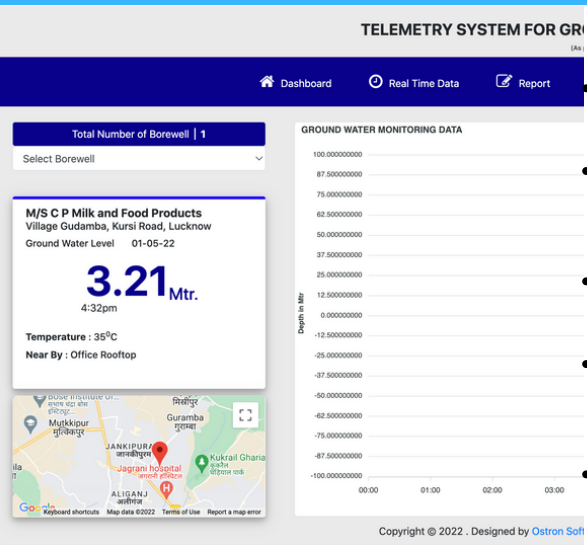
Techinical Specification

CAPACITY
2 Kg/cm2 to 5Mpa
MAX PRESSURE
150 %FSR
RESOLUTION
.025% FSR
ACCURACY
+/- 0.1 % Full Scale
OPRATION TEMPRATURE
-20C to 80 C
TEMPRATURE SENSOR
NTC Thermister (3KD -ATF)
TEMPRATURE SENSOR OPRATION RANGE
Thermistor -40C to 80C
TEMPRATURE SENSOR ACCURACY
Thermistor : +- 1C
FILTER
Stainless sintered filter 70um
LIGHTING PROTECTION
Tube Gas Arrestor (Frequency Output Line)
FABRICATION MATERIAL
Stainless Special Steel, High Density epoxypotting
DIMENSION
133MMXO19.1mm



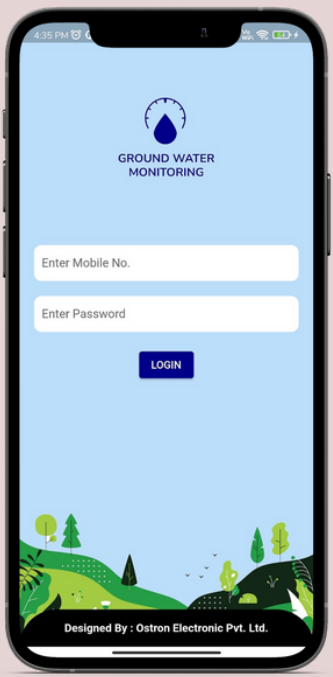


Software and Datalogger Specification



Admin Dashboard features

- Admin Dashboard is provided for viewing real real-time groundwater level data.
- The dashboard has Groundwater Level (Meter), Temperature (*C), Last Update time, Geolocation of the borewell.
- The dashboard has a Reports section where the admin can view, print & download the reports of Borwell data.
- The Graphical data of groundwater level may be obtained from the dashboard which clearly indicates the fluctuation of groundwater level.
- The basic information like organization name, contact number, address, Id & Password maybe change from profile section of the dashboard.

Mobile Application Features

- The mobile application supports both Android and IOS platform.
- A mobile application can be downloaded from the play store / IOS Store.
- The dashboard has Groundwater Level(Meter), Temperature (*C), Last Update time, Geolocation borwell.
- The Graphical data of groundwater level may be obtained from the dashboard which clearly indicates the fluctuation of groundwater level.
- The basic information like contact number, address, and Password maybe change from the profile section of the dashboard.