



Online Ground Water Monitoring System

A Complete Telemetric Piezometer for Tracking
& Monitoring Groundwater Data

SYSTEM OVERVIEW

Introducing our Groundwater Monitoring System, designed for accurate monitoring and recording of groundwater levels. Equipped with a submersible 16 bar pressure Transducer, this advanced device allows you to effortlessly track and analyze groundwater levels. The sensor is housed in a durable, waterproof stainless steel casing, ensuring reliable performance even in challenging environments. Using a 2 core 1mm cable, the sensor is easily lowered into the well and submerged below the water level. The initial water pressure reading is synchronized with the current water level, enabling precise measurements as the pressure fluctuates. With an impressive capacity to measure fluctuations of up to 160 meters, this recorder provides comprehensive data on groundwater levels.

To ensure uninterrupted operation, our Groundwater Level Recorder runs on electricity and includes battery backup. For remote locations, an optional solar panel is available, offering a reliable power source. The device features a convenient display screen that indicates the recorded values in real-time. Furthermore, it incorporates a datalogger, enabling the storage and retrieval of all recorded data. Data retrieval is a breeze via the USB interface, allowing seamless export to Excel format for further analysis.

In addition, our Groundwater Level Recorder offers online data capabilities, facilitating easy transfer of information to a server. This is made possible through the inclusion of a GPRS-enabled web telemetry SIM. By utilizing this feature, you can conveniently access and manage your data remotely, ensuring real-time insights for effective decision-making. Experience the convenience and reliability of our Groundwater Level Recorder, a valuable tool for groundwater monitoring and management.

FEATURES

- ▶ It is equipped with a robust, CE-approved pressure sensor that is specifically designed for heavy industrial applications. This factory-calibrated sensor ensures accurate and reliable measurements.
- ▶ The sensors of our system are housed in a corrosion-proof housing, guaranteeing long-term durability and protection against environmental factors. This design ensures that the output remains accurate and unaffected by corrosion.
- ▶ With user programmable intervals, you have the flexibility to set the desired frequency for data storage. The recorded data is conveniently stored in an easy-to-access Excel format, simplifying data analysis and interpretation.
- ▶ Seamlessly transfer your system data to any server using the GPRS-enabled web telemetry feature. This capability enables efficient data transmission and remote access for real-time monitoring and management.
- ▶ The system comes with a rechargeable battery, providing reliable power for uninterrupted operation. Additionally, you have the option to include a solar panel for charging the battery, ensuring continuous functionality even in remote locations.
- ▶ Experience a user-friendly interface with an LCD display that allows for easy viewing of the current data. The intuitive design of the system ensures convenient operation and quick access to the recorded measurements.

TECHNICAL SPECIFICATION

ITEM	DESCRIPTION
ACCURACY	-0.25 ~ 0.25%F.S. (BFSL)
ISOLATION (BODY TO ANY LEAD)	100Mohm @500VDC
DIELECTRIC STRENGTH	2mA @500VAC, 1min
COMPENSATED TEMPERATURE	-20 ~ 85°C
OPERATING TEMPERATURE	-40 ~ 125°C
STORAGE TEMPERATURE	-40 ~ 125°C
DATA TRANSMISSION VIA	GSM Module
MEASUREMENT INTERVAL	Hourly measurement (Configurable)
POWER	230VAC±10%, 50Hz

ENVIROZONE PRIVATE LIMITED

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