

Piezometer

(Ground Water Level Recorder)



Introduction

Ground water is among the Nation's most precious natural resources. Measurements of water levels in wells provide the most fundamental indicator of the status of this resource and are critical to meaningful evaluations of the quantity and quality of ground water and its interaction with surface water. Next Sense Technologies made GWLR-AT-01, Digital Ground Water Level Recorder Piezometer, is a data logger and submersible pressure transducer combination designed for remote monitoring and recording of water level or pore pressure data. The sensor is lowered into the well on a reinforced cable and submerged below the water. Once in place, the initial water pressure reading is synced with the current water level. The unit then monitors the water pressure for changes, and the pressure difference is converted to a change in water level. The entire unit is hermetically sealed to prevent any moisture from getting into the instruments circuitry.



High Accuracy



Low Power
Consumption



USB
Communication



LCD Display

Features:

- Heavy industrial CE approved factory calibrated pressure sensor.
- 10 V/m EMI protection according to HSE.
- Accurate output with corrosion proof housing for sensors.
- Reverse polarity protection on input.
- Micro controller based design.
- Inbuilt data logger for continuous storage of data.
- User programmable intervals for data storage and data stored in easy excel format.

Technical Specifications :

Type	Details
Accuracy	0.25 % F.S
Current consumption	5mA
Wetted Material:	17-4PH or 316L Stainless Steel Port, 316L Stainless Steel Snubber
Vibration	±20g, MIL-STD-810C
Dielectric strength	2mA @500VAC, 1min
Display	16×2 LCD display
Enclosure	IP65
Data Output	Microsoft Excel format
Clock	Real-time internal clock