

Ground Water Level Recorder (Piezometer)



“Virtual” make Ground Water Level Recorder (Piezometer) is reflect state of the art in micro controller based instrumentation design. The Water Level sensor can be attached with this IP65 data logger for the collection of real time data automatically. The micro controller has its internal memory along with, a real time clock with an LCD (16 X 2) to display the instrument status. Piezo-resistive silicon strain gauge, bounded to 316 SS diaphragm and integral cable contain a vent tube for Barometric pressure compensation. Comes with different ranges 10, 20, 50, 70, 100, 200, 300 meters. Data file is saved in Microsoft’s Excel. This instrument is used for ground / wells water level monitoring.

Features & Specifications:

- Sensor Type: Vented Gauge Pressure Sensor
- Sensor Material: Stainless steel AISI 316L
- Parameter Monitored: Date, Time, Water Table, Water Temp, Battery Voltage, (Other Required Parameters)
- Display: 16 Characters X 2 Lines alphanumeric display
- Keyboard: 4x2 membrane keypad for onsite programming of data logger.
- Real Time Clock accuracy: Internal with ± 2 minutes / year & leap year compensation
- Number of Channels: Eight (Factory configured sensors as per purchase order)
- Settling time: < 15 minutes after submersion, Repeatability: ± 0.05 % Full Scale
- Accuracy: ± 0.1 % Full Scale
- Overload Pressure: 2 times Full Scale
- Burst Pressure: 4 times Full Scale
- Memory: More than 16000 data points (extendable at extra cost). store 1 year data at user’s selectable 1 hour interval
- ADC Resolution: 16+ bits
- Unattended recording of Water Level. Virtually maintenance free
- Suitable for mounting over 3 inch / 4 inch / 6 Inch Dia pipe
- Logging Interval: 1 min to 24 Hr program log Start time within next 24 hours
- Operating Temperature: - 40 to 75 °C. Humidity: 0 to 95 % non-condensing.
- Power Supply: 12V SMF battery, Charging: Solar Panel / 220V AC (Optional).
- Solar Panel:: 12 Volt DC, Wattage: 10, 20 & 40 Watt (as per system power requirement)
- Battery Life: More than 1.5 Years (Easily Available in local Market)
- Data Output Format: MS- Excel
- Data retrieval: Data shuttle (default) to Computer. Other options also available (at extra cost).

Other options: Ethernet, 2G/3G/4G enabled Web based telemetry at Virtual’s Portal “www.ehydromet.in”.

Application Software (Virtualware)

This is a user-friendly, Menu Driven, Windows based software allows you to view & save collected data from data logger to computer/laptop. Data file is saved in Microsoft’s Excel format.



Ordering Guide:

SN	Description	Model No.	MRP
1	GWLR with GPRS enabled WEB-Based Telemetry option	GWLR-VH -P-GPRS-XXX-YYY	Rs. 233640 (Inclusive of 18% GST)

***XXX represents Measuring Range of the sensor (010, 020, 050, 070, 100, 200 or 300)**

***YYY represents cable length of the sensor (020, 050, 070, 100, 200 or 300)**

Please mention Measuring Range information along with your enquiry / Purchase order



Represented by:

**Drawing / specifications are subjected to change at any time without prior notice as per manufacturing suitability.*