

# Digital Water Level Recorder (Float Type)



“Virtual” make Digital Water Level Recorder (Float type) reflect state of the art in micro controller based instrumentation design. The Shaft encoder type water level sensor attached with this 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. Comes with standard range 10 meters. Data file is saved in Microsoft’s Excel. A durable hard enclosure protects the data logger from weathering. This instrument is used for ground / wells water level monitoring. This instrument can also be used for Open channel, Dam and Lake level monitoring.

### Features & Specifications:

- Sensor Input: Shaft encoder type water level sensor
- Float Cable Length: 10m (extendable to more at extra cost)
- Processor: 16 bit Extreme Low Power
- Parameter Monitored: Date, Time, Instantaneous Water Level, Max Water Level (Log Rate), Min Water Level (Log Rate).
- Display: 16 Characters X 2 Lines alphanumeric display,
- Keyboard: 4x2 membrane keypad for onsite programming of data logger.
- Real Time Clock accuracy: Internal with  $\pm 2$  minutes / year & leap year compensation
- Number of Channels: Eight
- Channels Configuration: Factory configured sensors as per purchase order.
- Accuracy: 0.2% FSO
- Memory: More than 8192 data points (*extendable at extra cost*). Store 1 year data at user’s selectable 1 hour logging interval.
- ADC Resolution: 16+ bits
- Unattended recording of Water Level. Virtually maintenance free
- Suitable for mounting over 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).
- Battery Life: More than 1.5 Years (Easily Available in local Market
- Solar Panel: 12 Volt DC, Wattage: 10, 20 & 40 Watt (as per system power requirement)
- 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.
1	Digital Water Level Recorder with Data Shuttle option	DWLR-VH-F-D
2	Digital Water Level Recorder with Ethernet option	DWLR-VH-F-E
3	Digital Water Level Recorder with 2G/3G/4G WEB-based Telemetry	DWLR-VH-F-GPRS