



Virtual Electronics Company
वरचूअल इलैक्ट्रॉनिक्स कम्पनी

Digital Water Level Recorder



The 'Virtual' make Digital Water Level Recorder consists of a weatherproof enclosure which contains the data logger and power supply, and comes complete with a solar panel and a Shaft encoder type water level sensor. Design for workable with every major environmental condition. Measurements can automatically stored in systems memory with date and time stamp, as per user selectable logging period. Comes with integral solar panel, which will easily keep the batteries charged throughout the year. A durable hard enclosure protects the data logger from weathering. User-replaceable SMF batteries. Data file is saved in Microsoft's Excel.

Features:

Sensor Input - Shaft encoder type water level sensor

Measured Parameter – Date, Time, Instantaneous Water Level, Maximum Water Level (Log Rate), Minimum Water Level (Log Rate).

Accuracy: 0.2% FSO, Unattended recording of Water Level. Virtually maintenance free.

LCD (16 X 2) to display the instrument status, Suitable for mounting in a variety of locations.

User Programmable Logging Interval from 1 min to 24 Hour

User-friendly Virtualware application software, Data retrieval by pocket size data shuttle to your computer (USB Port)

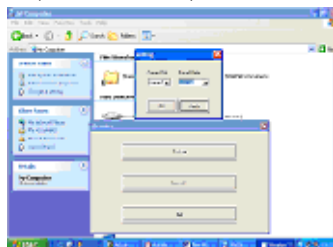
Operating Temperature: -20 to 70 °C. Operating Humidity: 0 to 95 % non-condensing.

Memory range more than 16000 data sets (extendable to more at extra cost), Membrane Keyboard is provided for on site programming without help of computer. Comes with weatherproof enclosure

Rechargeable SMF batteries with integral solar panel, which will easily keep the batteries charged.

Data Retrieval options: The standard Weather Station Comes with data retrieval option through Data Shuttle. But you can also choose following data retrieval options – Thought Telephone Line Modem / GSM Modem At Extra Cost.

Application Software (Virtualware):



Virtualware is a user-friendly, Menu Driven, Windows based software allows you to view & save collected data. Data file is saved in Microsoft's Excel format.

Data Download Options: You can choose any one option given below, for data download from Digital Water Level Recorder to your computer.

Data Shuttle:



The data shuttle is a pocket-sized device that can be used to download & transport the data from Digital Water Level Recorder to a computer (USB Port), allowing the instrument to stay in place for continuous monitoring/recording. The shuttle connects to a PC and is used with the “Virtualware” to download data.

Ethernet LAN :



Through Ethernet LAN to Computer. You can enter IP Address of your computer and connect to the Digital Water Level Recorder. You can also get instantaneous data just press Monitor Menu. Used with the “Virtualware” software to download data.

GSM/GPRS Modem:



The GSM/GPRS Modem is a standard RS232 port based GSM modem to receive data on the PC side which sent by the logger end. This Modem works with Virtual GSM Ware Software to encoded information into database & finally into a presentable MS-Excel Report. A communication cable, Power Adopter & Antenna is shipped along with the modem. This modem too requires GSM SIM cards to function.

You can also connect following sensors with your

DWLR:

- Air Temperature & Relative Humidity Sensor
- Wind Speed Sensor
- Wind Direction Sensor
- Rain Fall Sensor
- Water temperature Sensor
- Soil Temperature Sensor
- Air pressure sensor (Barometer)
- Hydrostatic Submersible Level Sensor
- Evaporation Sensor
- Snow Gauge (Snow Water Equivalent) Sensor
- Ultrasonic Snow Depth Sensor

- Leaf Wetness Sensor
- Soil Moisture Sensor
- Electronic Tensiometer
- Solar Radiation Sensor (Pyranometer)
- Solar Radiation Sensor(Silicon Pyranometer)
- Ultra Violet Sensor
- Quantum Sensor
- IR Pyranometer Sensor
- Line quantum Sensor
- Passive Cloud Cover Sensor
- Fog Sensor
- Visibility Sensor
- Infrared remote Temperature Sensor

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Hydrology, Meteorology, Forestry, Agro-Meterology, Scientific & Soil Testing Equipments.

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