

Digital Water Level Recorder (Pressure Type)

“Instrumex” make Digital Water Level Recorder (Pressure type) 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. 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. This instrument can also be used for Open channel, Dam and Lake level monitoring.

Features & Specifications

- Sensor Type: Pressure Type Level Sensor (Non-Vented)
- Sensor Material: Stainless steel AISI 316L
- Parameter Monitored: Date, Time, Instantaneous Water Level, Maximum Water Level (Log Rate), Minimum Water Level (Log Rate), Barometric Pressure, Battery Voltage.
- 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 (extendable up to 16 at extra cost). Factory configured sensors as per purchase order.
- Settling time < 15 minutes after submersion, Repeatability: ± 0.05
- Accuracy: $\pm 0.1\%$ Full Scale



Digital Water Level Recorder (Pressure Type)



- 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)
- Along with Small Stainless Steel Tripod
- 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 Instrumex Portal “www.instrumex.ae”.

Application Software (Instrumex)

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.



Digital Water Level Recorder (Pressure Type)



SN	Description	Model No.
1	DWLR with Data Shuttle option	DWLR-NV-VH-P-D-XXX-YYY
2	DWLR with Ethernet option	DWLR-NV-VH -P-E-XXX-YYY
3	DWLR with GPRS enabled WEB-Based Telemetry option	DWLR-NV-VH -P-GPRS-XXX-YYY

***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

DUQE Square Business Centre, Quarter
Deck, Queen Elizabeth 2, Mina Rashid,
Dubai (United Arab Emirates)

Tel. +971-525829733

E-mail: sales@instrumex.ae

Our Technology Partner:

Optical Sensors Sweden AB 
Stora Badhusgatan 18 Hiss 4 Vån. 2,
Se - 411 21 Göteborg, SWEDEN



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

