

G2-UW

ENVIRONMENTAL MONITOR

- Simple integration with many supported sensors
- Real-time data with alert notifications
- Streamlined design for easy operation and mobility
- Web portal for access to live and historic data
- Low maintenance and remote configuration

The NexSens G2-UW Environmental Monitor is designed to interface with a variety of sensors via mating UW plug connector. Options include water level sensors, velocity sensors, thermistor strings, and more. The G2-UW features an integrated data logger and cellular modem to provide real-time connectivity to the sensor's readings. This uniquely simple solution allows existing monitoring locations to add real-time data with minimal effort at a fraction of the cost compared to other data logger solutions.

G2-UW can be configured directly from any web browser without the need for costly site visits and complicated connections. The system wirelessly transmits environmental data to WQData LIVE's cloud-based data management platform at user-defined intervals. Paired with WQData LIVE's configurable alerts, users can be automatically notified of data outliers or other anomalies directly on a mobile device or computer. Historical data can be viewed, graphed, and downloaded from WQData LIVE for additional analysis.

Designed for simplicity, the G2-UW includes an SP6 solar power pack to allow for long-term deployments without the need for frequent site visits and maintenance. The integrated cellular modem with bundled NexSens hosted service provides real-time communication without the complexities of setting up a cell account. A compact and integrated design with all parts pre-mounted to a 2" NPT pipe makes deployment simple.

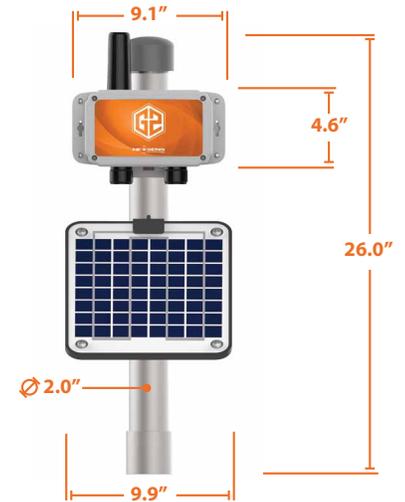
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specifications

Mounting	2" NPT pipe thread (wall / panel mount capable)
Material	Aluminum mast, polycarbonate enclosure
Weight	19.0 lbs.
Dimensions	26.0" height, 9.9" width
Temperature Range	-30 to 80°C
Rating	IP65
Memory	Over 20M data points before rollover (Over 30 years with 8 parameters and a 15 minute interval)
Sensor Connector	NexSens UW-8 receptacle
Power Pack	SP6 - 6W solar panel with 12V 6AHr SLA battery
Power Connector	NexSens UW-6 receptacle
Communication	NexSens hosted Verizon 4G cellular modem
Transmission Trigger	Parameter threshold, time-based
User Interface	NexSens WQData LIVE 2.0 web portal
Log Interval	User configurable from 1 minute (15 minute default) ¹
User Parameters	Parameter list dependent on configuration of attached instrument
Diagnostic Data Parameters	Input power, internal pressure, internal temperature, internal humidity, cell signal strength, cell module power, processor power, processor current, RTC power, cell module current, cell status
Compatible Sensors	APG PT-500 (Modbus Output), FloWav PSA-AV, NexSens T-Node FR, NexSens TS210, SonTek-IQ

¹ System power consumption and availability vary based on configuration and location. Please utilize the Power Calculator to determine application specific requirements.



parts list

Part #	Description
G2-UW	Cellular environmental monitor
VZ-25MB-M	Verizon cellular data service with 25 MB monthly allowance & static IP address, priced per month
VZ-25MB-Y	Verizon cellular data service with 25 MB monthly allowance & static IP address, priced per year
PT-500-UW	PT-500 vented water level sensor with UW plug connector
PSA-AV-UW	PSA-AV area velocity sensor & vented water level sensor with UW plug connector
T-NODE FR	T-Node FR thermistor sensor with UW plug connector
TS210-X	TS210 thermistor string with UW plug connector



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