X2 Data Logger

A data logger shall be provided to monitor the environmental conditions in (*Specify Location*).

The data logger shall be capable of interfacing to industry standard sensor inputs including SDI-12, Modbus RTU, and NMEA0183.

The data logger shall have embedded Wi-Fi connectivity for both direct and network interfacing.

The data logger shall be capable of transmitting data via cellular, radio, or satellite telemetry.

The data logger shall have a minimum of (3) RS-232 ports and (1) RS-485 port for serial sensor interface.

The data logger shall be designed to quickly and easily connect to the sensors without the need to write programs or scripts.

The data logger must be capable of parameter level polynomial equation adjustments.

The data logger must be capable of parameter level basic and burst averaging with down to 1Hz rates.

The data logger must have (3) independent sensor switch power ports.

The data logger must be capable of measuring internal temperature, pressure, humidity, input power, and operating current.

The data logger shall be capable of updating its internal software to newer versions.

The data logger shall be packaged in an IP65 enclosure not to exceed 13.5" x 13.5" x 8.25".

The data logger should interface with NexSens' WQData LIVE web data center for real time data storage and viewing.

The data logger should interface with NexSens' WQData LIVE web data center for receiving remote configuration commands for logging and sensor setup.

The data logger should be able to utilize WQData LIVE web based email alerts triggered based on parameter limits.

The data logger shall be able to accept a 5-24V input power supply.

The data logger should be pre-assembled and connectorized with an RF signal connector, a UW-6 power/communication port, and UW-8 sensor ports.

The data logger shall be Series X2 as manufactured by NexSens Technology, Inc. or approved equal.