X2-SDL 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 be capable of transmitting data via Wi-Fi, 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 shall be capable of parameter level polynomial equation adjustments.

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

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

The data logger shall be capable of measuring internal temperature, 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 powered internally by (16) D-cell alkaline batteries or with an external 5-16 VDC input power supply.

The data logger shall be housed in a cylindrical PVC enclosure not to exceed 5.5" diameter x 19.5" length including antenna.

The data logger shall be pre-assembled and connectorized with an antenna, a UW-6 power/communication port, and UW-8 sensor ports.

The data logger shall be fully submersible to 200 ft. depths and include shock mounted internal electronics capable of withstanding wave action, floods and periodic and long-term deployment underwater.

The data logger shall interface with WQData LIVE web datacenter for real-time data storage and viewing.

The data logger shall interface with WQData LIVE web datacenter for receiving remote configuration commands for logging and sensor setup.

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

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