

iSIC 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, 4-20mA, voltage, Modbus RTU, NMEA0183, and pulse count.

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

The data logger shall be capable of digital outputs and voltage switches for controls that are configurable based on parameter limits.

The data logger shall be capable of digital inputs for controls such as logging status, clock time and power management settings.

The data logger shall be controlled by software capable of sending SMS text messages and email alerts based on parameter limits.

The data logger shall be capable of acting as a Modbus master or slave or as an SDI-12 controller.

The data logger shall have a minimum of (2) RS-232 ports and (1) RS-485 port for serial sensor interface.

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

The data logger shall be packaged in a NEMA 4X enclosure not to exceed 12" x 8" x 7".

The data logger shall allow the user to access the instrument menu of smart sensors via RS-232 or RS-485 remotely through wireless telemetry.

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 pre-assembled and connectorized with RF signal connector, MS2 military style connector for solar panel or AC float charger, and MS8 military style connector.

The data logger shall be powered by an internal 8.5 A-Hr SLA battery.

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