DATA LOGGER

Frequently Asked Questions

1. What is the standard warranty for the Data Logger?

- Schneider Electric provides a standard 1-year limited warranty covering the Data Logger and all other hardware furnished as part of the data logger excluding sensors and samplers.

- Sensors and samplers are covered by the warranty of third-party original equipment manufacturers (OEM) or warranty administrators.

2. Can Data Logger solutions be used for Smart City applications?

- Schneider Electric's Data Loggers are an ideal solution for smart cities.

- Data Logger applications include environmental, water and wastewater, electric power, civil infrastructure, waste management, and security.

3. Who should install the Data Logger in the field?

- Schneider Electric Data Loggers are plug-and-play and therefore no special training is required to install the Kits.

- All devices are furnished with a Quick Start Guide that offers straightforward, illustrated installation instructions.

- Field technicians and other operations employees typically perform the installation, but any personnel familiar with the required safety guidelines and procedures of implementing field instrumentation and remote telemetry can complete the installation.

4. What are some applications for the Schneider Electric Data Logger?

- Data Loggers provide modular and easily scalable end-to-end remote monitoring solutions.

- A truly rugged, industrial technology, the data logger can be implemented for water, wastewater, environmental, oil & gas, electric power, mining, agricultural, civil infrastructure, and security applications.

5. I want to bypass cloud storage, can this be done?

- Yes.

- Schneider Electric takes data security and privacy very seriously. We have implemented cutting-edge cyber-security features into the product and connectivity.

- Since some of our customers prefer to bypass cloud storage, we have developed capabilities to transmit the data directly to an on-premises or private cloud server.

6. Which carriers and countries are supported on the Data Logger?

- The data logger automatically detects and executes each transmission session on the network with the strongest signal, which results in extended battery lifetime.

- The data logger is a multi-network carrier with redundant communication capabilities.

- The data logger can support 2G, 3G, 4G (LTE), LPWAN (Sigfox, LoRaWAN), and Bluetooth connectivity.

- The data logger is supplied with a global SIM card offering multi-network support, including Verizon, AT&T, and T-Mobile in the US, and supports connectivity in more than 145 countries worldwide.

7. How much data can the Data Logger store?

- Internal storage on the device holds up to 4 gigabytes (GB).

8. Can the Data Logger be integrated into a SCADA system?

- The Schneider Electric data logger collects and transmits data to cloud storage or an on-premises server.

- Using proprietary drivers, code, and API's, the data is seamlessly and securely integrated to populate SCADA databases.

- The device supports the OPC, DNP3, and proprietary communication protocols.

9. What kind of data can I export and what format is used?

- The user interface can generate the following pre-defined reports: stream history (all measurements for a user-defined data range), aggregation reports (sum, average, min/max, standard deviation for user-defined data range and aggregation interval), and flow reports (sum of daily sums for user-defined data range).

- Custom reports are provided as an option as required by the customer.

- Reports are generated as CSV (comma separated values) files.

10. What is the maximum sensor sampling frequency?

- The maximum sampling frequency is sensor-dependent.

- Data Loggers are designed for continuous rather than real-time monitoring to enable fully-autonomous operations with long-lasting battery lifetime.

- Typical sampling frequency ranges from once every 5 minutes, 1 hour, or once per day.

- While sampling frequency can be reduced to shorter intervals such as once per minute, it is recommended that these types of applications include an external power supply to reduce battery replacement frequency.

11. Can I use external power instead of a battery?

- Yes.

- The device can be powered by a fixed power supply or solar panel.

- Each device is supplied with an external power connector for this purpose.

12. How many alarms can be set on a device?

- Each individual data stream can be configured with up to 4 alert configurations. The device has a maximum of 23 data streams.

13. Can I purchase the Data Logger without sensors?

- Schneider Electric offers a basic device, which does not include any sensors.

- The device is intended for customers who already have their own sensors which they would like to retrofit to transmit data remotely, or for customers who intend to source sensors independently from another vendor.

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QUESTIONS?

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