

# SUTRON XLite Data Recorder, 8 Comms, RS485

| | |
|---|---|
| **Product #:** | **9210-0000-4B** |
| USD Price: | Contact Hach |

The XLite 9210 Datalogger, a high performance data recorder & communications device for unattended, remote data acquisition, control & communications, is a multi-tasking logger with a 32 bit processor capable of making measurements & communicating simultaneously. XLite provides unparalleled sensor support through expansive I/O's & built-in program libraries. Analog & digital modules plug into the I2C port. Support is also provided for single voltage, differential voltage, resistance, 4-20mA, frequency, counter, binary, binary alarm, greycode binary, smart serial (RS-232 and RS-485), SDI-12, etc.

With 32 MB of Flash disk for storage, the Xpert also has 4 communications serial ports for satellite transmitters, modems, radios & other serial communication devices.

Xlite provides a 2-line LCD character display & 3 front panel control

buttons, making it very simple to view data & make minor Setup

changes in the field.

Get data w/any communication interface, USB or SD memory card.

**Versatile**
Connect a wide variety of sensors to the system using built-in high-precision

analog & digital interfaces as well as via RS232, RS485, & SDI-12.

**Easy to use**
View data, calibrate & adjust the XLite using its built-in LCD & buttons.

Locally or remotely, all 9210 functionality is accessed through communications ports using easy to-understand set-up, data display & system

maintenance GUIs.

**Easy to customize**
Easily customize with BASIC or C++ routines to invigorate

any hydrological, meteorological &/or control application.

---

## Specifications

| | |
|---|---|
| Analog Output: | 10 channels (expandable via 1 C and SDI-12) |

| | |
|---|---|
| Communication: | 4 simultaneous communications. RS232 for communications.<br><br>Telemetry: Satlink2, Sutron Data & Voice Modem, Radio, Direct Connect, GPRS, IRIDIUM, MODBUS, & custom devices via BASIC |
| Digital Outputs: | 8 (6 Bi-Directional, 2 input only) |
| Dimensions: | Standard:<br><br>Height: 11 in (28 cm)<br><br>Length: 6 in (15.3 cm)<br><br>Width: 3 in (7.7 cm)<br><br>Weight: 2 lbs (0.9 Kg)<br><br>Shipping:<br><br>Height: 14 in (35.6 cm)<br><br>Length: 10 in (25.4 cm)<br><br>Width: 6 in (15.3 cm)<br><br>Weight: 5 lbs (2.3 Kg) |
| Display: | Display type: 2x20 character sunlight-readable backlit LCD.<br><br>Keyboard type: 3 buttons. |
| Ethernet Capable: | Built-in Ethernet support |
| Input Voltage: | -0.1 - 5V with respect - ground, single ended or differential |
| Inputs: | Digital inputs: 6 (2 Bi-Directional)<br><br>Functions supported: Inputs: status, counter, frequency, quadrature |
| Measurement Method: | Measurements supported: Unlimited |
| Measuring Interval: | 1.0 s - 24 h (programmable) |
| Memory: | Built-in: Non-volatile memory: 65MB (1 - 3 million readings), RAM: 32 MB<br><br>SD Card: Download data & read/write setups or additional log memory |
| Modem: | No |
| Nema Enclosure: | No |
| Number of Serial Ports: | 8 |
| Operating Temperature Range: | -40 - +140 °F (-40 - +60 °C) |
| Power Supply: | Requirements: 10-16VDC (20VDC max).<br><br>Current drain: Typically 3mA standby, 40mA active |
| Programming: | Menu driven setup, Expanded complexity via BASIC, Custom capability via C++ |
| Protocol: | Communication protocols accepted: SSP (Sutron Standard Protocol), MODBUS, MODEM, Telnet, HTTP, FTP, DHCP, DNS, SLIP,<br><br>PPP, & custom via Basic (RS-232, TCP, & UDP) |
| Radio: | No |
| Resolution: | Analog resolution: 16 bit |
| RS485: | Yes |
| Satlink: | No |