

SUTRON SatLink 3 Logger/Transmitter in Enclosure, Display, Cellular LTE Modem Card

Product #:	**SL3-ENC-DISP-1C1**
USD Price:	Contact Hach

SUTRON SatLink3 provides a cost-effective way to measure, log, calculate and transmit data from remote locations around the world. This logging transmitter is well equipped to monitor and transmit up to 32 independent measurements from analog, digital and smart hydrological, meteorological, or environmental sensors, on a user-set schedule or during alarm conditions. The SatLink3 has built-in support for geostationary satellites including GOES, EUMETSAT, INSAT and MTSAT for global operation. Redundant communication and remote configuration are available through optional plug and play cellular and IRIDIUM® modems. Setup over RS232, USB or WiFi is simple, quick and secure with LinkComm software operating on Mac, PC, iPhone and Android. Advanced programing is possible with Python scripting capabilities.

Built-in geostationary satellite transmitter
Support for all Geostationary Environmental Satellites including GOES, EUMETSAT, INSAT, MTSAT & CGMS.

Plug and Play Modem Card
Reduce modem setup time with automatic modem recognition. These modems are field exchangeable, enabling you to easily move from one telemetry type or Service carrier to another and to keep up with fast moving cellular/telecom technologies (e.g., 3G to 4G). There are 2 plug in slots available on the SatLink3 logger allowing for multiple redundant communication.

Custom programming with Python Scripts
Supports applications beyond standard configuration, including custom measurements, transmission formats and user defined computations using modern, easy to learn scripting language with strong and growing developer community.

Simple and intuitive software
LinkComm software is usable with all Sutron XLink and SatLink 3 dataloggers, and is a common software that reduces training requirements. It allows simple setup over Wi-Fi using a smart phone, tablet or PC. You can also pair with Hydromet Cloud, a web-hosted software, to access and manage real-time data and alerts.

Two-way communication and remote configuration (cellular and Iridium)
Reduce time and cost of visiting field station to check, change or download configuration or turn on/off instruments. All datalogger features and configuration options available remotely via cell or Iridium, improving data access, and data retrieval, if transmissions are missed.

Specifications

Analog Inputs:	Analog - 4 - 20 ma
	Number of inputs: 1
	Range: 0 - 22 mA
	Accuracy @ 77 °F (25 °C): 0.02 %
	Load: Internal 200 Ω

	Analog - Differential
	Number of Inputs: 3
	Range*: ± 39 mV, ± 312 mV, ± 2,5 V
	Accuracy @ 77 °F (25 °C): 0,004 % typ
	Resolution: 0,298 µV @ ± 2,5 V scale
	Analog - Single Ended - Number of inputs: 2
	Range*: 0 - 5 V
	Accuracy @ 77 °F (25 °C): 0.004 % typ
	Resolution: 0.298 µV
Connection Type:	Precision analog reference: 2.5 V, 10.0 mA
	Switch 12 V: 1.0 A (2 available)
	Protected 12V: 1.0 A
	RS485
	GPS INPUT: SMA-F
	RS232: DB9
	USB (OTG): USB MICRO AB
	USB Host: Type A
	microSD: Internal, Expandable up to 32 GB
Digital Outputs:	Number of inputs: 2,0 - 15 V, optional low level input
	Input type: Status, counter, frequency
	Max input frequency: 10 KHz, optional debouncing, internal pull
	Number of outputs: 2
	Output types: On/off/pulse. Open collector w/100 ohm limiting resistor. 100 mA, 15 V max"
Dimensions:	15.39 cm x 23.47 cm x 5.08 cm
Display:	Integrated
Frequency:	401.63 MHz - 402.85 MHz
	(depending on satellite type and channel assignment)
IP Rating:	IP63 with enclosure
Modem:	Cellular - LTE
Nema Enclosure:	Yes
Operating Temperature Range:	-40 - +70 °C
Outputs:	1.25-14 Watts depending on settings
Power Consumption:	Voltage: 9 - 20 VDC
	Quiescent: # 2 mA typ @12.5 VDC
SDI-12 port:	Independent channels: 2

	Compliance: V1.3 logger
	Power: 500 mA max
Supported Telemetry:	Geostationary Satellite, Cellular
Weight:	3.1 lbs (1.42 kg)

Required Accessories

- SUTRON Geostationary Antenna, GPS (Item GEO-ANT-GPS)