SSU 3000LCP^{PLUS}

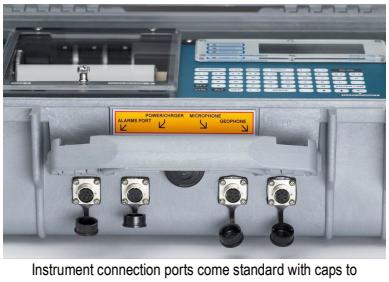
The SSU 3000LCP^{PLUS} is a convenient, easy to use and complete vibration and sound monitoring system designed with the user in mind. It has a tough, weather resistant case, full QWERTY-style keyboard and heavy-duty twist-lock metal cable connectors. External ports allow the case to remain closed during monitoring operations. A large thermal printer provides for instant in-hand reports in the field. The low-density geophone complies with ISEE recommendations. A 2-hertz high-pass microphone and all other standard accessories fit easily into the case. The four-line LCD makes on-site programming easy and permits the user to view results on-screen. The internal lead-acid battery is long lasting and easily charged using the included AC adapter. The integrated timer will turn the unit on and off at pre-selected times to conserve battery power. The timesaving template utility can be used to store repetitive setup configurations.

The SSU 3000LCP^{PLUS} has three recording modes: 1) triggered-either seismic or sound, 2) continuous (histogram) and 3) sustained trigger. The internal memory can store up to 220, 1-second events. Sustained trigger mode delays processing and permits collection of consecutive 15-second intervals of waveform data up to a cumulative total of approximately 4.2 minutes. Data can be collected in either imperial (US customary) or metric units. A serial port allows the seismograph to be connected to a PC for easy data transfer. The included basic compliance and reporting software package can be used for analysis and preparation of standard or customized reports.

GeoSonics® is a leader in seismograph innovation, design, manufacturing and vibration consulting. Because we use the equipment we design, a user-friendly interface, ruggedness and reliability are not just goals – they are standards.

GeoSonics®…always a step ahead!

The on-board thermal printer is protected from weather during field programming by a clear, sealed cover. Ample case storage compartment for all included accessories.



Instrument connection ports come standard with caps to protect connecting pins when not in use.

A serial cable and external power supply are standard accessories with all GeoSonics® seismographs.

Features & Specifications

STANDARD FEATURES:

- External geophone meets ISEE density recommendations.
- Four-line by 20-character LCD for on-site data display.
- Full QWERTY-style keyboard for field programming.
- Toughest structural-resin case on the market.
- Heavy-duty twist-lock metal cable connectors.
- Most water resistant instrument on the market.
- Internal, rechargeable lead acid batteries.
- Flexible interface and extensive options available for custom configurations.

GENERAL:

- Weight: 22.2 lbs (10.1 kg)
- Dimensions: 16 x 13 x 7 in (41 x 33 x 17 cm)
- Operating Temperature: 0 to 130° F (-18 to 55° C).
- One (1) year warranty on parts and labor.
- Extended warranties and service contracts also available.

OPTIONAL ACCESSORIES:

- Hydrophones (instrument modifications required).
- Accelerometers to 500 g's (instrument mod's. required).
- Amplifiers (10x-100x).

RECORDING MODES:

Seismic Trigger:	Resolution:	0.0025 in/sec. (0.06 mm/sec.).
	Range:	Up to 5.120 in/sec. (130 mm/sec.)(other ranges available).
	Frequency Response Range:	2 to 250 Hz (3 dB) / 2 to 1,000 Hz (Nyquist).
	Sampling Rate:	Up to 2,000 / second / channel.
	Recording Intervals:	1 to 15 seconds.
	Accuracy:	5% within one year (multi-frequency calibrated).
	Calibration:	Internal dynamic.
Sound Trigger:	Range (Linear):	78 to 142 dB (other ranges available).
	Frequency Range (3 dB):	2 to 250 Hz (3 dB) / 2 to 1,000 Hz (Nyquist).
	Accuracy:	5% within one year (multi-frequency calibrated).
	Calibration:	Internal electronic.
Continuous (Histogram):	Vibration Data:	Peak particle velocity and frequency for L, T & V.
	Recording Intervals:	Selectable: 1 to 60 seconds.
	Sound Data (Linear):	78 to 142 dB (other ranges available).
Sustained Trigger:	Multiple Event Recordings:	Consecutive waveform recordings up to 4.2 minutes.

STANDARD FEATURES (Continued):

- Two (2) independent threshold alarm output ports.
- PC serial port interface for downloading event data.
- Up to 220, 1-second waveform data recordings (up to 50, 5-second waveform data recordings).
- GPS acquisition feature (NEMA 108 compatible).
- Six (6) template locations for recurring set up data.
- Imperial and metric operation.
- Basic compliance reporting software package included.
- Designed & manufactured in the USA.

PRINTER:

- Thermal, 42-column line head printer with motor-driven take-up spool. Up to 140 events per roll of paper.
- Graph scaling from 5 to 10 inches per 1-second events containing full seismic waveform or histogram.
- Numerical summary table of peak data over period.

OPTIONAL ACCESSORIES (Continued):

- Optically isolated dual alarm control for dialers, pagers and remote alarm notifications.
- Advanced seismic analysis software package.

GeoSonics

P.O. Box 506
Warrendale, PA 15086
Ph. 800-992-9395 Fax 724-934-2999
www.geosonics.com