

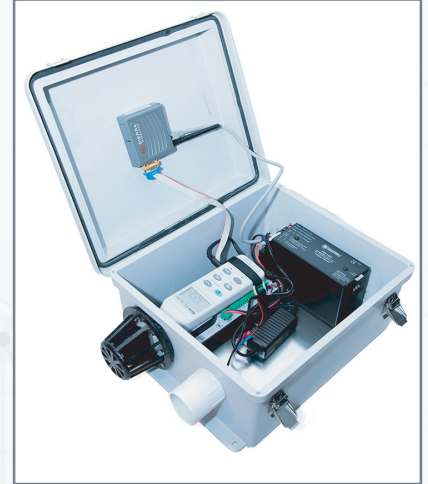
Product Overview

The AutoSLM-SC system provides all the functionality of the AutoSLM with the added capability of recording Sound Clips (as .mp3 files).

The system utilizes a powerful industrial PC and the versatile Center 322 sound level meter to allow users to easily monitor sound level readings.

When connected to a modem, users can go a step further and eliminate the necessity to re-visit the site to download data, by retrieving their data wirelessly over the internet.

The AutoSLM-SC is an ideal solution to monitoring noise related to construction activity.

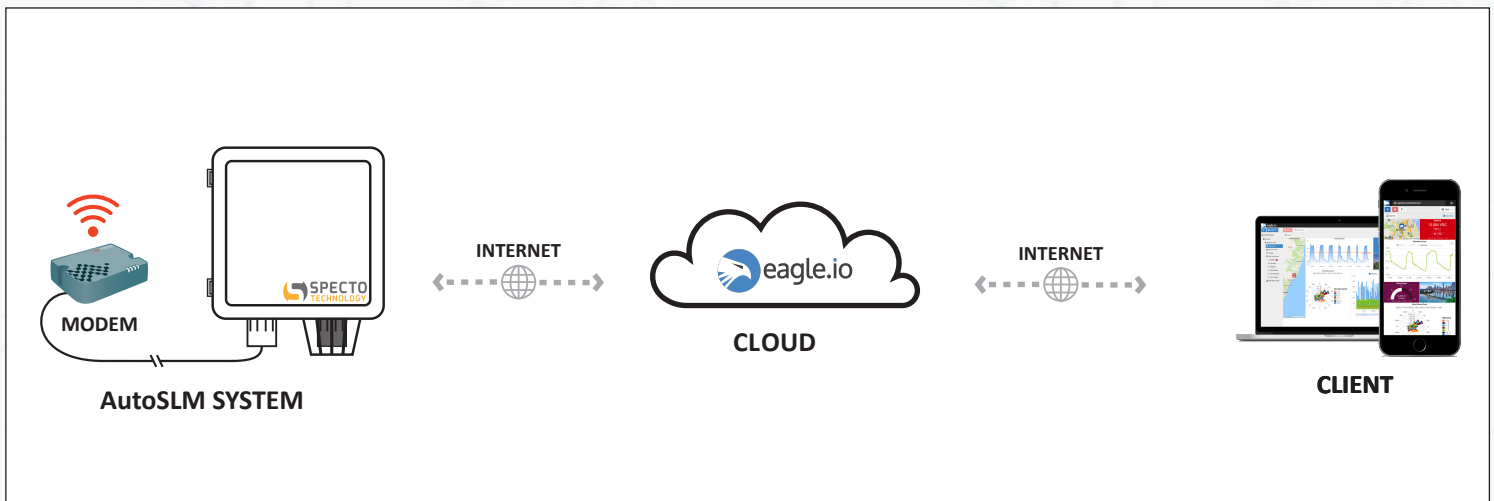


Features

- Type 1 and Type 2 systems available
- Auto ranging between 30 and 130 dB
- Time weighting selectable between Fast and Slow
- Frequency weighting selectable between A and C
- Accuracy: +/-1.5 dB
- Rugged & weatherproof enclosure
- Customizable data output
- Data can be pushed to eagle.io directly for real-time display, reporting and alarm checking
- AC or solar power required

Benefits

- Calibrated by the manufacturer using standards traceable to NIST (individual calibration available at extra charge)
- All sound clips capturing, integrating and calculations are done by the industrial PC
- PC calculates and outputs multiple parameters including Lmax, Leq and Ln at multiple of intervals (e.g. 15-min, 60-min and or 8-hour) simultaneously
- The system is fully customizable and output of other parameters may be added upon request
- Each system may be used with a cellular modem so that data can be retrieved wirelessly, remotely and automatically



Technical Specifications

SLM

Standard applied:	Center 322 (Type 2) IEC651 and ANSI S1.4
Frequency range:	31.5 Hz – 8 K Hz
Measuring level range:	30 – 130 dB
Frequency weighting:	A or C
Time weighting:	FAST (125 ms), SLOW (1 sec)
Microphone:	½ inch electric condenser microphone
Display:	4-digit LCD or 50 segments bar-graph
DC output:	10 mV/dB, output impedance approx. 100 ohms

Larson Davis LxT1 (Type 1)

Standard applied:	IEC, ANSI S1.4
Frequency range:	31.5 Hz – 12 K Hz
Measuring level range:	35 – 139 dB
Frequency weighting:	A, C or Z
Time weighting:	Fast, Slow, Impulse
Microphone:	½ inch pre polarized microphone
Display:	160 x 240 pixel LCD
DC output:	10 mV/dB, impedance 3650 ohms

Datalogger Campbell Scientific CR300

The AutoSLM includes a CR300 datalogger that performs integration of sound pressure levels from the SLM to give rise to the following typical parameters:

SPL:	The instantaneous sound pressure level
Lmax:	The maximum instantaneous sound pressure level over the last 15 minutes
Tmax:	The time at which the Lmax occurs over the last 15 minutes.
Leq:	The integrated equivalent sound pressure level over the last 15 minutes
L1, L10 and L50:	1%, 10% and 50% percentile of sound level over the last 15 minutes

Power

Voltage:	Campbell Scientific PS150 12-volt
Battery Capacity:	7 Amp hours
Charging current limit:	1.2 Amps typical
Power output voltage:	unregulated 12V from battery

Communications

Input Voltage:	Sierra Wireless LS300 9-28V DC
LED Indicators:	Network, signal, activity, service, power.
Host Interfaces:	Ethernet 100/1000 Mbit RJ-45
Application Interfaces:	TCP/IP, DHCP, HTTP, SMTP, SMS, UDP/IP

Physical

Size:	Fiberglass Hinged Cover Enclosure 15.5"H x 13.5"W x 7.75"D (Allow additional 3" to height for mic. grill)
Use:	Designed for indoor and outdoor use
Rating:	IP66 Rating