

## Sound Level Monitor with Alarm

Unique programmable limit provides a warning when sound level exceeds the setpoint

### Features

#### Continuous Monitoring of Sound Level

Wall, desk or tripod mount with optional cable for remote microphone location

#### Over Limit Indication

User settable high limit (30 to 130dB) with large OVER indication with output to drive external relay module

#### LARGE DISPLAY

Digital display with bargraph can be viewed from up to 30 feet

#### Displays Max dB with date/time stamp

Know exactly when the maximum noise level occurred

#### Meets ANSI and IEC Type 2

High accuracy means compliance to OSHA and other regulatory bodies

#### Total monitoring and Alarm System

Use the SL120 with optional relay module and illuminated sign for a complete monitoring system.

#### Additional Features

- Programmable ON/OFF times extends battery life
- Rear panel controls prevent unauthorized programming
- Output for connecting optional relay module
- Optional single sided or double sided warning sign
- Complete with 8 'AA' batteries; optional AC adaptor



### Specifications

Display	4.6 x 3.125" multifunction LCD
Frequency bandwidth	31.5 Hz to 8 kHz
Microphone	0.5" Electret Condenser Microphone (remotable)
Measurement ranges	30 to 80dB, 60 to 110dB, 80 to 130dB
Frequency weighting	'A' and 'C' (Programmable)
Response time	Fast (125ms) / Slow (1s) (Programmable)
Resolution	0.1dB
Alarm output	3.5mm Mono Phone Plug, Maximum: 3.4mA @ 5 VDC
Minimum output	Voltage: 2.5 VDC
Battery life	240hrs continuous (approx); 30 days @ 8hrs/day
Dimensions / Weight	8.75x7.1x1.25" / 0.63 lbs. (22x18x3.2mm / 285g)

### Ordering Information

SL120 .....Sound Level Monitor  
 SL120-NIST.....Sound Level Monitor with NIST certificate  
 SL125 .....Remote Microphone cable 15'

#### Alarm Relay

SL123 .....10A AC Alarm Relay Module 9 foot cable (3m)  
 SL124 .....3A DC Alarm Relay Module 9 foot cable (3m)

#### Illuminated Light Boxes (blank red display)

SIGN-101.....Illuminated Light Box, single sided, 110V AC  
 SIGN-102.....Illuminated Light Box, single sided, 220V AC  
 SIGN-201.....Illuminated Light Box, double sided, 110V AC  
 SIGN-202.....Illuminated Light Box, double sided, 220V AC

#### AC Adaptors and Calibrator

153117.....120V AC Adaptor  
 153230.....220V AC Adaptor  
 153240.....240V AC Adaptor  
 407744.....Sound Level Calibrator, 94dB



Illuminated light box shown with warning message sign supplied by user.  
 Dimensions: 12"(W) x 7.5"(H) x 2"(D) (305 x 191 x 51mm)

Optional metal framed, red paneled sign illuminates when user-programmed noise limits are exceeded. Used in conjunction with the SL123 (AC) or SL124 (DC) output relay module. Wall or ceiling mount.



Recessed rear panel controls for setting Range, A/C Weighting, Fast/Slow Response, Limit, Clock and Start/Stop Times.



Optional AC (SL123) or DC (SL124) alarm relay module with 9 foot (3m) cable



Microphone rotates 180° for desired placement. Optional 15ft (5m) microphone extension cable for remote monitoring