

## Sound Level Meter with Data Logging



### Description:

The S610 Sound Level Meter with Data Logging is a handheld Class 2 sound meter.

### Features:

- USB data logging with 14,000 records
- USB interface software of data download to PC
- Auto Ranging from 30dB to 130dB at frequencies between 31.5HZ and 8 KHZ
- Low, Medium, High Ranges
- Display with 0.1dB steps on a 4 digit backlit LCD
- A and C frequency weighting
- Max/Min values display
- Data Hold
- Auto Power-Off

### Applications:

- Workplace Noise measurements – keep employee performance at their peak by limiting noise and other distractions. Noise can shorten attention spans or cause permanent damage if loud enough.
- Measure Fast or Slow values to determine hearing protection needs.
- Construction noise, power equipment of individuals and unmuffled industrial noise penetrating residential areas.
- Most city ordinances prohibit sound above a certain threshold intensity from trespassing over property lines at night.
- The U.S. Occupational Safety and Health Administration has established maximum noise levels for occupational exposure, beyond which mitigation measures or personal protective equipment is required.



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### Technical Specifications

<b>Display</b>	4 digit backlit LCD with max reading 2000
<b>Resolution</b>	0.1dB
<b>Accuracy</b>	±1.5dB (ref 94dB @1KHz)
<b>Sample Rate</b>	0.5 sec.
<b>Frequency Range</b>	31.5Hz~8KHz
<b>Measuring level range</b>	A Weighting 30 ~130dB C Weighting 35~130dB
<b>Frequency weighting</b>	A/C
<b>Data Logging</b>	14,000 records
<b>Microphone</b>	1/2 inch Electret condenser microphone
<b>Time weighting</b>	FAST(125mS), SLOW(1 sec)
<b>Level ranges</b>	30 ~130dB (Auto Range)
<b>Dynamic range</b>	50dB
<b>Power Supply</b>	9v Battery
<b>Battery Life</b>	About 50 hrs (alkaline Battery)
<b>Dimensions</b>	200mm(L) x 55mm(W) x 38mm(H)
<b>Weight</b>	158g (Including batteries)

### Includes:

- E610 Meter
- User Manual
- 9V Battery
- Carrying Case
- Windscreen
- Software Download

### This instrument conforms to:

- IEC 61672-1 Class 2
- IEC651 Type2
- ANSI S1.4 Type2

S610 Software Screenshot

