

SL 2052 : SOUND LEVEL METER

- * 40 to 130 dB Measuring range
- * Slow , fast time weighting
- * Confirms to IEC 651 type 2
- * Use in acoustic noise measurement and control , Loudspeaker acoustic measurements
- * A and Linear weighting
- * 3 1/2 digit LCD display
- * Wide frequency range

Audiolec's **SL2052** is a battery operated, hand held, sound pressure level measuring instrument. Measured SPL (or simply sound level) is read on a digital LCD meter in dB 'units'. Range, Filter and other options are selectable through sealed membrane switches, conveniently arranged. Lighted LEDs indicate options selected.

Applications are in

Measurement of noise emission of machines, automobiles, aircraft, air conditioners, appliances, noise due to traffic, human voices, loud music.
Noise surveys, audits, checking compliance with recommended noise limits.
Sound insulation and reinforcement studies
Measuring output and frequency spectrum of loudspeakers
buzzers, sirens and other acoustic devices

Specifications :

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| <i>Applicable Standard</i> | IEC 651 Type 2 |
| <i>Measuring Ranges</i> | 40 -90 dB, 80 - 130 dB |
| <i>Microphone</i> | Electret, Sensitivity 10mV/Pa |
| <i>Frequency Response</i> | 30 to 16000 Hz at 90 dB |
| <i>Frequency Weighting</i> | A, Linear (30 - 16000Hz) |
| <i>Rectifier</i> | True RMS (crest factor >6) |
| <i>Dynamic Range</i> | >50 dB |
| <i>Time Weighting</i> | Slow: time constant 1 sec Fast : time constant 125 ms |
| <i>Display</i> | 3 1/2 digit LCD, Resolution 0.1 dB |
| <i>Power Supply</i> | 9V battery, type 6F22 |
| <i>Operating Temp</i> | 0 to 50° C |
| <i>Humidity</i> | <90 % (NC) |
| <i>Size</i> | 285 X 80 X 38 mm |



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