

Digital Sound Level Meter



Big backlit display and PC interface

With background sound absorber for machine noise measurements

Features:

- Auto/Manual ranging from 30 to 130dB in 6 ranges
- Meets ANSI and IEC Type 2 standards
- A and C selectable frequency weightings
- Fast and Slow selectable response times
- Background noise absorber mode for machine noise measurements filters ambient noise
- Large 3 1/2 digit display with 0.1dB resolution with backlighting and analog bargraph
- Electret condenser microphone provides 1.5dB accuracy
- Min/Max plus analog output and tripod mount
- Max Hold latches maximum value on display
- RS-232 interface for capturing data directly on a PC, optional Windows[®] compatible software
- Complete with batteries and carrying case

Applications:

- Machine noise evaluation
- OSHA compliance testing
- Community noise measurement
- Noise ordinance
- PC interface for data collection



Windows compatible Software and Cable

Ordering Information:

- 407750.....Digital Sound Level Meter
 407750-NIST407750 with NIST Certificate
 407752.....Windows compatible Software and Cable
 407744.....94dB Sound Calibrator

| Specifications | |
|-----------------------------|---|
| Digital Display | 3-1/2 digit (1999 count) Autorange LCD |
| Bargraph Display | 50dB display range (1dB resolution); |
| Measurement Range | 30 to 130dB (35 to 130dB for "C" weighting) |
| Resolution | 0.1dB |
| Accuracy | ±1.5 dB @ 94dB for a 1kHz sine wave |
| Microphone | Electret Condenser .24"(6mm dia.) type |
| Frequency Weighting | "A" and "C" type |
| Time Response | Slow/Fast |
| Sampling time | updates every 0.5seconds |
| Measurement frequency range | 31.5Hz to 8KHz |
| Analog output | AC: 0.707Vrms (full scale); DC: 10mVDC/dB |
| Applicable Standards | IEC 651 Type 2, ANSI S1.4 Type 2 |
| Power Supply | 9V battery , optional AC adaptor |
| Dimensions | 10 x 3.1 x 1.5"(256 x 80 x 38mm) |
| Weight | 8.5oz. (240g) |

